

6th EDITION

CONFIDENTIAL

Frequency List

BY OLIVER P. FERRELL

NOW INCLUDING
RTTY STATIONS

AERO CW COAST FIXED EMBASSY MILITARY FAX VOLMET TIME

\$13.95

CONFIDENTIAL

FREQUENCY

LIST

Oliver P. Ferrell

GILFER ASSOCIATES, INC

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ACKNOWLEDGMENTS

This edition of the CFL, regretfully, is being published posthumously. In April of 1984, Oliver P. "Perry" Ferrell, was killed in an automobile accident. While the basic research and checking work had been completed by Perry, and the listings had been entered in the computer, final re-checking and the physical production work on the 6th Edition had not been completed. This remaining work was accomplished by a group of communications monitoring enthusiasts and experts who, working closely together and using Perry's notes and files, completed the 6th Edition out of regard for Perry and because they felt that the CFL should continue as a viable information and data source for the entire monitoring fraternity.

GILFER ASSOCIATES, INC., would therefore like to take this opportunity to acknowledge and thank these dedicated monitors and co-editors for their inestimable contributions to the final stages of the production of the 6th Edition of the CFL. Specifically, the following:

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Paul Karagianis	David Wilson

We would also like to apologize for any errors that might be inadvertently included in the text or frequency listing. Without Perry to double check our work, we felt at a great disadvantage. Therefore, we will have to request you, the reader, to assist us in pointing out corrections and improvements. Only with your help can we hope to maintain Perry's standard of excellence.

To a creative and compassionate man, Perry,
from his loving family, devoted co-workers
and monitoring friends in many countries.

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Anyone divulging the content of any non-broadcast radio transmission is in violation of Sec. 605 of the Communications Act 1934 (USA) or Article 17 of the 1938 Radio Regulations adopted by the International Telecommunication Union. Similar disclosure prohibitions are in the laws of numerous throughout countries the world.

FOREWORD

The new 6th Edition of THE CONFIDENTIAL FREQUENCY LIST represents the latest available information on the most interesting communications stations operating on the shortwave bands. No mere reprint of data excoriated blindly from various "official" lists, the CFL represents stations actually in operation and being heard by active monitors.

The previous edition of the CFL went through two huge printings and was widely distributed throughout the world. The high degree of acceptance of this publication has made worthwhile the endless hours of painstaking research, diligent monitoring, and voluminous correspondence it took to produce the previous edition, as well as this latest edition.

It has been especially gratifying to note the spectacular increase in the interest in non-broadcast station monitoring during the past few years. The author has personally pursued this aspect of the hobby since the mid-1930's--starting out at a time when interest in such communications activity was limited to a very few people who dared to venture outside of the shortwave broadcast and Amateur Radio bands for their listening excitement. Today, thanks to technological developments in communications equipment, coupled with an intelligent and curious listener who wants to know what is taking place behind the scenes in the world, monitoring the offbeat corners of the bands has reached a popularity which would never have been imagined several decades ago.

I am pleased that so many of those who have entered this challenging field during recent years have done such exciting research and monitoring. It certainly looks as though non-broadcasting monitoring has found a place for itself within the vast monitoring hobby, and I am proud to be associated with this aspect of the hobby and those who have made it so popular.

Oliver P. Ferrell
1984

INTRODUCTION

You may have heard of the NFL and the USFL. The CFL is similar only in that it permits you to tackle the task of monitoring the unusual and exotic on your communications receiver. Unlike shortwave broadcasters, which eagerly publish their frequencies so that all may listen without difficulty, the stations listed in the CFL do not publish or publicize their frequencies and operating habits. To one extent or another, they prefer that the public refrain from monitoring their transmissions; some even go to considerable lengths to keep their frequencies and operations confidential. Thus was born the CONFIDENTIAL FREQUENCY LIST, that has grown and expanded through five previous editions. The information in the CFL was painstakingly compiled from publications of the International Telecommunications Union, from the author's own personal files and monitoring, and from the welcome cooperation of many users of previous editions who monitored utilities and thoughtfully passed along information to the author.

While on the shortwave broadcast frequencies the standard listening fare consists of news, music and (often) political commentaries transmitted in the popular AM mode. Those listeners who pursue the stations covered in the CFL are aware that shortwave has a far wider variety of fascinations than international broadcasters. The stations listed in the CFL are generally classified under the term utility stations (usually shortened in listener's lingo to utes), and they come in many shapes and forms, a few using the familiar AM mode, but others using morse code (CW), radiofacsimile (FAX), radioteletype (RTTY), single sideband (SSB), SITOR and control tones. These stations transmit and exchange press and diplomatic messages ("traffic"), military and meteorological information, time signals, communications relating to the activities of commercial ships and aircraft, the inner workings of INTERPOL, as well as the operations of smugglers and espionage agents. And, of course, there are those transmissions which are operating for purposes which have thus far been known only to those sending them and those whom the information is intended. These can be classified only as "mystery" stations sending "mystery" transmissions.

For many years most listeners devoted virtually all of their monitoring efforts to the activities of international shortwave broadcasters, for certainly such stations are located in every corner of the world. There was always a hardcore of listeners, however, exploring the utes and attempting to unravel their many mysteries. In the early 1960's those who had been monitoring the utes began noticing an influx of newcomers to their unusual field of endeavor. This was due to several factors, including the introduction of popular priced general coverage communications receivers which permitted listeners to tune the utes conveniently. In addition, there appeared small and inexpensive solid-state devices which would allow monitors to read the contents of CW and RTTY transmissions. Finally people began realizing that the stations one could monitor in the ute bands were no less plentiful, interesting or challenging than the international broadcasters.

While the CFL is intended for use by both newcomers and those who are experienced, it has been prepared with the author's assumption that the listener has a receiver of sufficient sophistication to receive SSB transmissions and to offer a frequency readout which is reasonably accurate and exacting. The author also assumes that the listener is able to recognize and suitably tune-in transmissions in formats such as CW, upper sideband (USB), lower sideband (LSB), etc.

GETTING IT TOGETHER Any attempt to compile a massive listing of communications data is fraught with numerous major and minor frustrations because things on the shortwave bands are in a constant state of flux. Nations come in-to and out of existence on what seems to be a monthly basis. International communications conferences (such as the recent 1979 World Administrative Radio Conference, or WARC) take place and revamp the world's frequency assignments: new callsign blocks are assigned to nations and schedules and frequencies are changed because of propagation or economic or political pressure—all these things cause the compiler to realize that the longer and more comprehensive his listing, the

faster he must run in order to keep up with the pressure parade of data. It must also be kept in mind by the compiler that even such allegedly exacting "official" data, such as that found in the files of the International Telecommunications Union must be viewed with some discrimination and double checked "official" data sometimes lists stations which have been off-the-air for years (or even decades), proposed stations which don't actually (and may never) exist, frequencies which may be 5 to 10 kHz away from the stations' actual operating frequency, and call-signs which are never used as listed! Those who have attempted to bring out frequency guides and registries based ostensibly upon "raw" and unchecked information from "official" sources have sadly learned the folly of taking the seemingly easy path to providing information on utes.

This 6th Edition of the CFL contains the distillation of data from many sources and reflects many major changes and additions of the information presented in earlier editions, including the changes in communications taking place as mandated by WARC. The author is, nevertheless, only too aware that even as the ink is drying on this printed page, changes are still taking place. It is therefore sincerely hoped that users of this directory will continue to feed information to us here--changes, deletions, additions--so that this information may be fed into our computer for inclusion in subsequent editions.

UNUSUAL TRANSMISSIONS Among the unusual transmissions to be encountered on the shortwave bands are certain categories which have captured the imaginations of listeners throughout the world. For instance, there are those known as Single Letter Beacons (SLB's). These odd transmissions have been around for more than 20 years and have created a considerable amount of speculation as to what they're used for and who is sending them out. Essentially, SLB's are single letters sent over and over in CW. These letters cover the entire alphabet and they dot the shortwave spectrum. The author has noted that there are minor variations in the speed (rate) at which the letters are transmitted, as well as the spacing between the individual letters. This has led to some speculation that this, in itself, may well be some form of sending information in a concealed form, especially when combined with minor adjustments in the transmitting frequencies.

It might also be pointed out that it has been observed that SLB's appear to be operating simultaneously on groups of frequencies all being keyed in unison. In addition, some of the SLB's have been picked up on harmonics of their fundamental frequencies.

Direction finding efforts have caused listeners to feel that SLB's emanate from several locations including the Asian area of the USSR, Australasia and the Far East. It has been suggested¹ that "SLB's may be providing information for the benefit of Soviet nuclear submarines which permits them to better utilize the communications facilities of Soviet satellites."

This edition of the CFL lists the currently reported SLB's and they are certainly worthy of your inspection and observation. They remain, as they have for two decades, true mystery stations. With such a large amount of SLB activity over so long a period of time, it's apparent that they do serve some vital function to someone somewhere. But what is that function? Whom do they serve? Why have they continued to baffle so many listeners for so long a period of time?

PHONETIC ALPHABET STATIONS A female's recorded voice repeats a series of three phonetic letters, usually followed by the number "2" (such as "Kilo Papa Alpha 2"). On various frequencies and at differing times of the day, the phonetic letters are changed. Sometimes the transmissions are followed by a coded sequence of additional letters, obviously the text of a message not intended for interpretation by the general public. Welcome to the world of a category of stations known as Phonetic Alphabet Stations (PAB's), yet another group of mystery signals which have been around for at least 20 years. In fact, station "KPA2" is not only noted using voice transmissions, it is also noted on CW using the identification "J3R".

There is speculation as to the source of such transmissions, but the plausible explanation is that PAB's are located in Israel and operated by the government there² for communicating with their intelligence operatives. Until and unless someone comes up with a better explanation than the author of that report, it will probably be worthwhile to view this as being reasonable speculation as to their source and purpose.

NUMBERS STATIONS Nothing has quite caught the fancy of ute enthusiasts as those countless shortwave stations transmitting groups of numbers. Most of the time these stations are noted with female announcers who are sending forth their

1. Popular Communications Magazine, March 1984, "Those Mysterious Transmissions" by Tom Kneitel.

2. Popular Communications Magazine, April 1984, "Monitoring Mossad: The Israeli Intelligence Service" by Greg Mitchell.

messages in Spanish, German, or some other language. Sometimes the numbers are arranged in groups of four, other times they are placed in groups of five. It is virtually impossible to tune across the ute bands any evening and avoid encountering a myriad of these mystery stations. Nevertheless, they do tend to be difficult to list in a directory such as the CFL because they shift frequencies, appear and totally vanish with uncanny regularity, although certain frequencies (such as 9074 kHz) have remained popular for this use over lengthy periods of time.

The prevailing theories are that those stations transmitting numbers in groups of five are located in Havana, Cuba, while the ones sending out groups of four digits are located in the United States (the Florida and Washington DC areas are popularly suggested). The general assumption is that the messages relate to espionage agent instructions, however several monitors who have spent a considerable amount of time studying such transmissions have cited a number of reasons why such an explanation probably doesn't apply to many of these transmissions (for instance, the same "message" repeated over a several month period would probably indicate something other than a message directed at an espionage agent). Other suggested purposes included communications related to smuggling, international banking, commodities trading, and guerilla or paramilitary activities. Your own guesses may be as good as the next person's.

It would seem that the actual messages are intended to be used with so-called "one time" pads, a method of coding popularized by espionage agents but now used by many others wishing to conceal the content of transmitted texts. As such, it is virtually impossible for the casual monitor to ever hope to figure out the contents of such messages.

ADDITIONAL OBSERVATIONS There has always been vigorous interest in monitoring military station transmissions and what with so much military activity taking place throughout the world these days, there's no shortage of such stations to hear. Military stations tend to pop up in unusual places, often where they're not expected. They really seem to march to the tune of their own drummer and have been observed not only in the maritime and aeronautical bands, but also in the international broadcasting bands! Moreover, to further complicate matters, they invariably identify themselves by the use of so-called "tactical" identifiers. That is to say, by code words such as "Echo 7 Lima", "8 Delta 2", "Ferret", "Rain Dance" or the like. Such identifiers may well be changed on a daily basis so it is virtually impossible to establish any exacting handle on such operations which will be valid for any reasonable period of time.

If you like to monitor military transmissions, then understand that they are made with some deliberate effort to achieve communications security. Fleeting in nature as they may be, they are nevertheless quite interesting to monitor. But don't rely upon the fact that any stations or frequencies you observe today will necessarily be in evidence the next time you seek them out. No matter, you're sure to locate other similar stations, equally interesting to fill in the gap.

Keeping these things in mind, welcome to the wide world of CFL #6! We sincerely hope that CFL will open the door to you for the exciting, the unusual, the interesting, and perhaps even the bizarre things which can be tuned in on your communications receiver.

HOW TO USE THE CFL

FREQUENCY Frequencies shown in this edition of the CFL are all in kiloHertz (kHz). They represent the exact zero-beat frequencies for those stations using AM and CW, as observed by actual monitoring or as listed in reliable sources. Those frequencies indicated for SSB stations (LSB and USB) are those of the "missing carrier" and are, therefore, approximately 1.5 kHz lower or higher than the actual "assigned" frequencies. Because of this, it should be pointed out that users employing many popular receivers which do not reflect SSB offset frequencies will have to make a mental note to compensate for this frequency differential. Receivers not having this SSB offset feature would include, for instance, the SONY ICF-6800, Yaesu FRG-7700, Yaesu FRG-7000, and Kenwood R-2000. Some receivers (such as the JRC NRD-505 and the Panasonic RF-9000) call for the retuning of the "kHz" knob in order to clarify the SSB signal and read out the true "carrier" frequency. The Drake R7A receiver has the Passband Tuning (PBT) feature adjusted to bring this same effect. The JRC NRD-515 receiver will automatically track digital readout and carrier frequencies, although in the CFL we show only the carrier frequencies for all stations employing SSB.

It should also be noted that at least half of the stations listed in the CFL have the ability to occasionally shift frequency up or down a few kHz, and may actually do so at times in order to get out of the way of interference.

Therefore, it is not unusual to note that at times a station may show up from 1/2 kHz to as much as 2 kHz from the frequency shown herein. This is especially true of CW stations and those on the maritime services (although stations transmitting weather or navigational warnings, or those handling coastal or high seas radio-telephone traffic are virtually always rooted to their exact frequencies).

For those who have expressed some confusion about the differences between kilohertz (kHz) and Megahertz (MHz), keep in mind that these are only different ways of expressing the frequency of a station. The term MHz is often used for expressing the frequency of a station operating on shortwave; 1 MHz being equivalent to 1,000 kHz. As you may have quickly observed, you can easily change any frequency shown in kHz terms to MHz by simply changing the comma to a decimal point. Therefore 5,127 kHz is the same thing as 5.127 MHz. For convenience and uniformity in the CFL, listings are in kHz and don't contain a comma until you reach the 10,000 range.

MODE We have used a popularized series of notations to indicate the transmission modes which you'll encounter when tuning for the stations listed herein. Yes, we are well aware of the lengthy and complex series of transmission mode identification codes adopted at the 1979 WARC (such as J3E, A1A, R3E, etc.), however, for simplicity's sake, we are using the straightforward method of employing familiar terms such as AM, CW, LSB, USB, RTTY, etc., or combinations of such terms to indicate that the stations indicated may be expected to be using more than one transmission mode.

We should point out that one such term we employ may be unfamiliar to the new user of CFL. As in the 4th and 5th editions of the CFL, we have made use of the mode notation "ISB". This odd term is our way of indicating that some unusual form of voice transmission may be in use, such as **A**): Dual independent sidebands each carrying different transmissions simultaneously (as used by Voice of America feeder stations at times); **B**): A station which seems to have no preference for USB or LSB and will use either mode as the requirements of the moment dictate; or **C**): Stations using a combination of voice and RTTY.

Note that the majority of utilities using voice seem to prefer USB over LSB.

The word "Data" indicates stations transmitting with various high-speed computer languages. There are some communications networks now using a combination of voice mode interspersed with data bursts.

A notation -- an asterisk (*) -- appears in some listings before the callsign. This notation indicates that this material supersedes information shown in the 5th Edition. New stations -- not in the main body tabulation -- do not have the asterisk notation.

CALL Practically every non-military HF station transmitting on an international basis has been assigned a formalized callsign by the governmental agency which licensed that station. Such callsigns are composed of an alphabetic or alpha/numeric prefix designating a specific nation, followed by supplementary letters and/or digits to further identify the specific transmitter or station. This works well on paper and in theory. However, in actual practice there are a wide degree of variations, abuses and confusing practices in effect. We have tried to take this into account in the preparation of the CFL.

A typical abuse noted is when a group of stations at one location and under the control of the same licensee are all assigned a different callsign for each specific authorized frequency. Such assignments may (for example) include callsigns running for QXX11 through QXX20 for ten different transmitters on ten different frequencies. Confusion arises when the station decides to, say, use the callsign QXX11 on all of its frequencies, or otherwise mix and match callsigns and frequencies at their own discretion.

Some stations, of course, may be operating while not actually having a license. Some nations just don't have the governmental personnel available to devote to processing radio licenses and so such processing may well take as long as 3 or 4 years. Those who require communications seldom feel like waiting that long to commence operation and so they file their applications and go on the air. As long as the license application is on file, there is seldom any hassle from the government. Any number of developing Third World nations handle communications in this manner. And, of course, there are those operating on the air without even the hope of, or interest in getting any type of a license; either their governments don't care, or else have looked the other way for political or financial considerations. Such concepts are often difficult for North Americans to comprehend, since licensing of communications stations is viewed in such a "no nonsense" manner by their respective governments.

Furthermore, there are stations having actual callsigns which are seldom

used on the air and appear to have been issued strictly for administrative or records purposes. Such stations identify by their location, or their location plus the name of the operators of the station. A typical example would be high seas radiotelephone operators, or aeronautical communications stations.

Lastly, there are assorted abuses and errors in using callsigns wherein callsigns are mis-given, or which reflect recent changes which have not been previously reported or noted. In any event, note that just because a specific callsign is authorized on a given frequency, there may be times when there are deviations from the callsign.

A dagger (†) before a callsign is used to show that, while such a station is authorized and has been noted in the past, the station has not actually been monitored on the air recently.

LOCATION The purpose of this column is to provide the listener with information on the source of the station shown. If a location shown in parenthesis follows a city name, the parenthesis location indicates the actual transmitter site, which may be located at some distance from the location announced over the air or the control point for the transmitter.

In reference to military stations, acronyms and abbreviated identifiers (as used by the military forces themselves) have been employed, such as "COMMSTA Portsmouth" for the "Portsmouth Communications Station" (actual callsign NMN, a station operated by the U.S. Coast Guard). Another similar acronym would be "NACOMCEN" for those South African Naval stations in the NAVAL COMMUNICATIONS CENTER (Silvermine, RSA).

There are those instances where the CFL lists a location as being "unknown", which is quite self-explanatory, although whenever possible we have added information to the effect that it is "probably in North America", "probably in the Pacific", etc. If a frequency is populated by a network of two or three stations which normally communicate in conjunction with a shared activity, we will list the word "several" in the location column. If more than four or five stations share the frequency, the word "numerous" is used. Often we have amplified this information with data concerning the purpose of the network on that frequency, such as "Northwest Pacific LORAN Net", "Atlantic Domestic Emergency Net", or similar, followed by a listing of those stations assigned to and/or monitored in the specific network.

For convenience of CFL users we have used some Americanized spellings of place names. This may well be at variance to the spellings of those locations as found in ITU publications or as used in the nations wherein those locations lie.

SERVICE To describe the general service in which the station is engaged, we utilized the same letter groups used by the ITU in their own publications because they are well suited to our purposes. Therefore "FC" indicates a Fixed Coastal station, "FX" is a Fixed Ground station, etc. A complete listing is given in the "Abbreviations" section of the CFL.

POWER The information on the transmitter power used is generally as shown in official ITU records, although one must recognize that such data does not necessarily reflect the actual power in use at any given time. Whenever possible, information on transmitter power as stated by those operating the transmitters has been used in preference to the ratings shown in the ITU records. Transmitter power, of course, is not an iron-clad way of determining which stations you are more or less likely to receive. You would have to evaluate the potential coverage of any station by knowing if it is using a directional or omni-directional antenna system, by the frequency used in conjunction with the season of the year, the time of the day, the propagation conditions, the amount of atmospheric and co-channel interference, and also the equipment being used at the receiving station as well as the expertise of the operator at the receiving station. Certainly, a station having a 10 kW transmitter has a definite edge on one using 500 watts, with all factors being equal—but all factors aren't always equal and, therefore, you are advised to give your attention to all stations with equal vigor and not be discouraged by a puny power rating.

REMARKS The column containing remarks offers insights into the author's observations relating to that station's activities. This may relate to the ownership of the station, its purpose, additional frequencies in use, schedule of operation, or any other incidental bits of information which will be of interest and use to the listener. Because of space limitations the author could not offer more than the basic facts in this column, although there are stations listed in the CFL which could fill up several pages with remarks and comments. For the

sake of brevity in the remarks column, certain abbreviations, acronyms and shortcuts have been employed. Most of these don't require any explanation; a few of them do:

USCG stations are those of the U.S. Coast Guard and AMVER indicates that the Coast Guard station handles ship location traffic as part of the AMVER program. A "feeder" station is one which is used by a shortwave broadcaster to relay programs to a distant transmitter site for rebroadcast. "Embassy" stations are located at the site shown and handle diplomatic traffic. Stations shown as transmitting "Time Signals" identifies stations which transmit regularly scheduled broadcasts of highly accurate time "pips." "Coded tfc" stations are those (other than stations sending weather data) which transmit messages in crypto format. "Net Control" indicates a station which coordinates the activities of several other stations on the same frequency. "Telecom" stations handle two-way radiotelephone communications. "VOLMET" stations transmit aeronautical weather information (one-way broadcasts at scheduled times past the hour, usually indicated).

Of course, standard abbreviations are also used, such as USN, USAF, RAF, RCAF, etc., and we have also listed certain NATO and Soviet military coded identifiers (used in place of an assigned callsign), such as K13A, LCMP-2, 4LA, etc. Whenever possible, we have also indicated schedules of various stations known to be operating at standardized transmission times. These times are shown in GMT (which is the same as UTC and "Zulu" Time).

In the instance of listings for Maritime Duplex stations, the remark column contains frequency information shown in parentheses. This data indicates the ship's answerback frequency.

A diagonal line (/) used in this column indicates dual data. Thus "Numbers/YL/SS" would indicate a station transmitting "coded numbers /female announcer/ Spanish language."

Everything else in this column should be readily understood without explanation.

TOM KNEITEL

MUSIC TO YOUR EARS

Piccolo is an encoding method used by the British Diplomatic Wireless Service (as it was) for communication with embassies overseas. The system was developed by them and first demonstrated to the writer at a Ham Radio Exhibition in London in the early 1960's. The Diplomatic Wireless Service, now known as Government Communications HQ (GCHQ), had a demonstration stand at the exhibition and was giving Piccolo demonstrations and explanations to any interested visitors.

The essence of the system was the conversion of morse code or possibly telex signals into five or six musical notes. These notes were transmitted without further conversion so that a listener heard a musical burbling rather like a tinkling fountain and a pan of water gently boiling on a stove. The BFO had to be switched on to hear the transmission, which was non-rhythmic.

During the trial of the spy Pryme, from GCHQ at Cheltenham, it was stated that he had been known to receive messages from Moscow. These messages were transmitted as musical tones.

Tones having a slower repetition rate and with fewer notes on the musical scale have been monitored, and it is possible that these are of the Russian variety, although they may be another type of Piccolo. Both types are easily distinguished from the mark/space tones of the RTTY.

GEOFF HALLIGY

PRIMER ON RTTY

Tuning through the HF spectrum, one encounters a variety of different signals. These signals can be broadly categorized by the type of modulation. For example:

AM-----International Broadcast, CB
USB,LSB----Radio Amateurs, Long Range Aeronautical Traffic
ISB-----International Broadcast Feeders
FM-----Facsimile weather maps and radiophotos, Amateur TV
CW-----Marine Traffic, Radio Amateurs
PULSE-----Over the Horizon Radar (Russian Woodpecker)
FSK-----Radioteletype or RTTY for short

The FSK/RTTY category is now of considerable interest to the SWL and radio amateur community. There are two main reasons for this interest. First, there are almost as many FSK/RTTY signals as all the other categories combined. Secondly, personal computers running RTTY software as well as special purpose microprocessor- based RTTY equipment are now widely available to let even the inexperienced user quietly "print" many of these RTTY signals on a video monitor.

The purpose of this introduction is to take a look at various types of RTTY signals. They will be roughly classified by code and content. By doing this, it is hoped to interest more SWL's in RTTY and to help those already involved to more easily print the printable signals and to spend less time on the non-printable signals.

QUICK RTTY BASICS

BAUDOT CODE

A classical example of a common RTTY signal would be a 67 WPM (word per minute) news agency transmission in Baudot Code. Each character in Baudot is composed of a start pulse (or bit), five data bits and a stop bit. (See Figure 1). The start and stop bits are used for synchronization. The start bit is always a binary 0 or "Space", the stop bit is always a binary 1 or "Mark". The 5 data bits which define the character can be any combination of ones and zeros. Since 5 bits yield only 32 different combinations, two of these combinations are defined as the "letters" and "figures" case shifts in order to accommodate the entire alphabet, the digits 0-9, a number of punctuation symbols, and machine functions such as carriage return and line feed. A standard Baudot teleprinter responds to 52 machine functions. The Baudot character set is shown in Table 1.

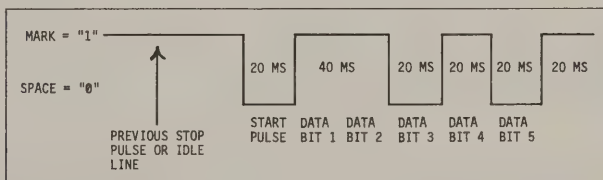


FIGURE 1. TYPICAL BAUDOT 67 WPM CHARACTER

Table 1
Baudot Code

	Letters Case	Figures Case
00000		
00001	E	3
00010	LF	LF
00011	A	
00100	Space	Space
00101	S	'
00110	I	8
00111	U	7
01000	CR	CR
01001	D	WRU*
01010	R	4
01011	J	Bell**
01100	N	
01101	F	!
01110	C	:
01111	K	(
10000	T	5
10001	Z	+
10010	L)
10011	W	2
10100	H	#
10101	Y	6
10110	P	0
10111	Q	1
11000	O	9
11001	B	?
11010	G	&
11011	Figs	Figs
11101	M	.
11101	X	/
11110	V	=
11111	Ltrs	Ltrs

Table 2
Moore Code

	Letters Case	Figures Case
1110000		
0001110	E	3
0001101	LF	LF
0101100	A	
0001011	Space	Space
0101010	S	'
0000111	I	8
0100110	U	7
1100001	CR	CR
0011100	D	
0010011	R	4
1100010	J	Bell
0010101	N	,
1100100	F	
0011001	C	:
1101000	K	(
1010001	T	5
1000110	Z	+
0100011	L)
1010010	W	2
0100101	H	
1010100	Y	6
0101001	P	0
1011000	Q	1
0110001	O	9
1001100	B	?
1000011	G	
0110010	Figs	Figs
1000101	M	.
0110100	X	/
1001001	V	=
0111000	Ltrs	Ltrs

*Some "D" keytops read "Who Are You?" in Figs. Case

**Bell, or other audible signal

SHIFT & SENSE

RTTY signals are transmitted in the HF spectrum by frequency shift keying, usually abbreviated FSK. The transmitter's carrier is shifted up and down a small amount, one frequency representing Mark (binary 1) the other Space (binary 0).

Typical shifts are:

170 Hz-----Most radio amateurs, marine TOR
400 Hz-----News agencies
425 Hz-----News agencies
600 Hz-----Some news agencies (infrequent)
850 Hz-----Weather and military

By convention, the higher RF frequency is the Mark frequency. Also, by American convention, the receiver is used in LSB mode (or the receiver's BFO is set above the carrier frequency) to yield an audio tone of 2125 Hz for Mark and a higher pitched tone for Space. RTTY transmissions which follow this convention are said to be sent in the "Normal" sense. Transmissions which follow the opposite convention are not uncommon, but are said to have an upside-down or "Reversed" sense. They can be made right-side-up by receiving them in USB mode, by setting the BFO below the carrier or by flipping a switch provided for this purpose on most demodulators.

HARDWARE

Functionally, an RTTY receiving system consists of three main components or sub-assemblies. First, a reasonably stable receiver outfitted for CW or SSB reception, next a demodulator, and last (historically), a Baudot printer, but more commonly today, a solid-state substitute in the form of a computer-based video display. The receiver is used to tune in the RTTY transmissions and change the shifting RF carrier into a shifting audio tone. The demodulator's job is to change the shifting audio tone into an equivalent electrical signal. This signal is then input to the Baudot printer or solid-state computer-based equivalent.

A Baudot printer translates the serial characters from the demodulator into printed or displayable text. It has to be running at the same speed as the received signal, e.g. 60, 67 or 100 WPM. Modern CRT based displays provide a speed selection switch. Those based on personal computers allow speed selection from the keyboard. Some of the better Baudot printers have an optional gearshift (e.g. Model 28 Teletype), some have gears which are easy to swap by hand (e.g. the Mite Baudot printers) and some have gears which are changed only with effort (e.g. the now essentially obsolete Model 15 Teletype).

NORMAL BAUDOT TRAFFIC

Less than half of the FSK heard will fall into the category of Normal Baudot RTTY. These signals are sent at 60, 67 and 100 WPM in plain language.

Examples are:

NEWS AGENCIES----Transmitting in English, Spanish, French, German, Turkish and other languages.

WEATHER(WX)-----Consisting mostly of lines of numbers in groups of 5 or 6 separated by spaces and preceded by city and/or airport codes. These transmissions are not encrypted, they are coded for brevity

TELEGRAMS-----Traffic consisting of embassy, business and personal telegrams. This traffic is most frequent between African, Asian, and South American countries and the rest of the world. Similar traffic, especially around Christmas, Mother's Day and other holidays can be found on Military Amateur Radio Service ("MARS") frequencies.

RADIO AMATEUR----Two way communication between ham radio operators are common at 60 WPM, 170 Hz shift, upright. The areas around 3.625 & 14.090 MHz are good spots to look for amateur transmissions.

TEST TAPES-----Many services send repetitive test messages on endless loops of tape for tune-up purposes and to keep the frequency clear for

subsequent use. Typical are strings of RYRYs and "fox" messages, e.g., "THE QUICK BROWN FOX JUMPS OVER THE LAZY DOGS BACK 1234567 89".

UNUSUAL BAUDOT TRAFFIC

The transmissions described below have in common the fact that they are sent using individual VALID Baudot characters, each of which contains a start pulse, 5 data bits and a stop pulse. Another shared characteristic is that, even when properly tuned in, they will print "garbage" on a normal teleprinter. Sometimes orderly lines of "garbage" ending in CR-LF, sometimes "garbage-garbage" due to the fact that the CR or LF or both are missing.

ARABIC TRANSMISSIONS

Transmissions in Arabic can be found on frequencies used by the press agencies of various Arabic speaking countries and by the VOA. Arabic transmissions are intended to be printed on a special teleprinter, from right to left, in a special subset of the Arabic alphabet. The Arabic alphabet contains more characters than can be accommodated on a 2-shift 5-level machine. Machines designed to receive Arabic, such as the Siemens "Teleprinter 100", have provided for the printing of 3 extra characters by combining both carriage return and line feed into the normal line feed character with the added restriction that it is effective as a combination CR/LF only in the letters case. In other words, if an Arabic machine receives a line feed while in letters case it performs a carriage return and line feed. The line feed received in figures case is a "who-are-you"; carriage return in letters case is a printing character; carriage return in figures is a different printing character. The result is that when an Arabic transmission is received on a normal machine you get carriage returns where the Arabs just intended to print a character, then you get more characters which overprint the previous characters until a line feed comes along. Letters shifts, figures shifts and spaces work the same on Arabic and western machines. Some additional information which should help you identify Arabic transmissions:

1. Frequently words start with "V", "T" and "B".
2. Frequently words end in : ! and ?
3. A string of "XXXs" is often found; it corresponds to dashes or underlining for emphasis.
4. Transmissions from Arabic-language countries are frequently double spaced, whether they are Arabic, French or in other languages.
5. Test transmissions are received as "YRYRYR"..., not "RYRYRY".

ENCRYPTED BAUDOT

Encrypted Baudot has the following characteristics: Each character is a transmitted proper Baudot character in that it has a start bit, 5 data bits, and a stop bit. The characters as printed make no sense whatsoever, and are not organized into lines of "words" separated by spaces. The reason is, the original text is encrypted (substituting, on an essentially random basis, character for character, including spaces and machine functions). Unless you have a way of qualifying the character stream as valid Baudot (upright, correct speed, start and stop bits present where they should be), the printed results of receiving encrypted Baudot will be much the same as receiving wrong speed or upside down, or non-Baudot codes, etc. It will sound more regular, however, while it is being printed. Encrypted Baudot can be identified through a simple computer analysis which counts the occurrence of each of the 32 possible characters in a reasonably large received sample, say 1000 characters. The results will show an essentially flat character distribution, that is to say, there may be about as many of any one character as of any other. Text encrypted on simple one-for-one substitution basis, foreign language text of any type and normal plain text English would all show large counts for the spaces, E's, and small counts for infrequently sent characters.

PRIVACY CODES

BIT INVERSION:

A fairly simple method of preventing the casual listener from understanding one's RTTY messages is to invert one or more of the five information bits in each character. What should be mark becomes space and vice-versa.

If this is done in such a way that the same bits (say bits 2 and 4) are inverted in every character, the result is a simple substitution code which changes every character into some other character—but always the same character.

If one of these transmissions is printed on a normal machine, it will resemble encrypted Baudot. However, a character frequency analysis will reveal an interest-

ing distribution with high counts for the encoded spaces, "E's", etc.

This kind of traffic was in use for many years (and still may be) between the various FCC monitoring sites. The coding scheme used is simple: they always invert 2 or 3 bits (never 1, 4 or 5); the key is used for 24 hours before it is changed; it is changed at 0000 GMT; the traffic is 60 WPM, 425 Hz shift, normal. Traffic is sporadic; when not sending text, they transmit a steady mark.

BIT TRANSPOSITION:

Another simple way of encoding a transmission is to swap the bits around on a consistent basis, e.g. interchange bits 3 and 4. The result is similar to bit inversion; the creation of a simple character substitution cipher.

BIT INVERSION AND TRANSPOSITION:

For the sake of completeness it should be mentioned that it is possible to invert bits in a character and swap them around, too. I'm not aware of any hobbyists having logged this scheme, nor even simple bit transposition, but am told that these schemes were in common commercial use at one time.

NORMAL TRAFFIC-OTHER SYSTEMS

ASCII:

ASCII is the most popular computer code in the world, but is seldom found on HF radio.

ASCII characters of 11 bits (start, parity, 7 data, 2 stop) at 110 baud and of 10 bits (start, parity, 7 data, one stop) at 300 and 1200 baud are in daily use throughout the world in hard wired and telephone line communications between computers and computer terminals. The North American TWX message network uses ASCII for terminal-to-terminal communication over telephone-quality leased lines.

Despite its popularity with the computer crowd, ASCII still is not in common use on the air. Radio amateurs have been allowed to use ASCII for several years and it can be found on the ham bands, but Baudot is still the code of choice. One sure place to find ASCII is the American Radio Relay League's "Teleprinter Bulletins". See the section "WIAW Schedule" in any copy of QST Magazine.

Note that some hobby-class RTTY equipment will mistakenly classify signals as ASCII simply because the individual bits are approximately 10 ms each. "Ten" ms bits are characteristic of 110 baud ASCII, normal Moore Code traffic, TOR ARQ, TOR FEC and some synchronous crypto and thus are not sufficient evidence of ASCII.

MOORE ARQ CODE:

Moore code is a 7-bit synchronous code with a built-in error detection capability. Moore code is also sometimes referred to as CCIR-342 and CCITT No. 3. This code has been in popular commercial use for years and is still often encountered on HF radio since it is a proven way of exchanging essentially error-free traffic via a full duplex error detection/correction scheme.

Each Moore character is constructed to have three bits marking and four spacing. Thirty-five 7-bit characters meet this criteria. Thirty-two of them have a one-to-one correspondence to Baudot. The other three are used for control purposes. Moore code is used in full duplex (simultaneous two-way) communication links with both sides sending traffic (on 2 different frequencies) or one side sending traffic and the other sending idle characters. Each received character is analyzed to see if it passes the 3M/4S criteria. If it passes, it is changed to Baudot and printed on a normal Baudot printer. If it fails the test, a special character (called "SIGNAL I") is inserted into the traffic (or stream of idle characters) being sent from that end. Receipt of SIGNAL I at the other end causes a re-transmission of the character which was received in mutilated conditions. When received without error, it is printed. This "Automatic Repetition on reQuest" is the source of the nomenclature ARQ.

The Moore code commonly found in the HF bands uses 11.67 ms bits. Thus, a 7 bit character is 81.7 ms long. Usually traffic consists of alternate characters from two channels. That is to say, if you were to print every other character, you would print a particular message; if you printed the characters you skipped, you would have a different message. This is called 2-channel TDM (Time Division Multiplexing).

To provide a method of distinguishing between the channels and to help in synchronization, certain character positions are sent inverted (4 bits marking 8 characters). Using upper case to represent upright characters, the pattern for channels is A and B is abaBaBaB. The Moore code is shown in Table 2.

TOR CODES

Since the early days of radio, Morse code was the uncontested standard mode for maritime traffic. Recent years have seen a transition from CW to satellite and TOR systems.

TOR stands for Telex Over Radio. The term TOR is used in this book for transmissions which meet CCIR Recommendation 476-1 "Direct Printing Telegraph Equipment In the Maritime Mobile Service". Other common appellations for this system are SPECTOR, SITOR and the increasingly popular AMTOR found on the HF ham radio bands.

Like the Moore transmissions, TOR includes an error detecting and correcting scheme which allows the receiving end to provide the transmitting end with a positive (ACK) or negative (NAK) acknowledgment based on an examination of the received characters. The characters in this scheme are 7-bits long and must have a ratio of 3 spaces to 4 marks. This code is thus similar to Moore code, but it has different character equivalents. Thirty-two of the 35 combinations correspond to Baudot characters, the remaining three are designated "alpha", "beta" and RQ". They perform supervisory and control functions.

The individual bits of TOR characters are 10 ms each. A consequence of the several error detecting and correcting schemes in use is that the throughput of TOR traffic is still only 67 words per minute.

The system has 3 modes of operation:

1. ARQ - permitting the 2-way exchange of traffic between 2 stations on a common frequency.
2. BROADCAST FEC (Forward Error Correction) for the general dissemination of information to a number of recipients, e.g. weather forecasts.
3. SELECTIVE FEC - permits traffic to be passed to a specific recipient who is unable to respond in the ARQ mode.

ARQ TOR: This is a half-duplex (2-way traffic, 1-way at a time) system providing repetition of transmitted characters upon request. You can find it in use in the ham RTTY bands and in the HF maritime bands; it sounds like birds chirping.

The message sending side transmits three 7-bit characters taking 210 ms, then switches over to receive condition. The message receiving station examines each of the 3 received characters for consistency with the 3S/4M criteria. It then transmits an ACK or NAK as a single 7-bit character to inform the message sending station to either send the next 3 characters or repeat the last 3. The total period for the successful transmission of 3 characters is 450 ms. This corresponds to 50 baud or 67 WPM.

BROADCAST FEC TOR: The same 7-bit code is used in broadcast situations where a message is sent simultaneously to a number of recipients, none of which acknowledge its correct receipt. The message is sent as a continuous flow of 70 ms characters with each character repeated after a four character period. The receiving end checks the first transmission of a character and saves it if it passes the 3S/4M test; otherwise, it discards it. Four character times later, the repeat character is checked. If correct it overwrites the character saved in memory and is output to the teleprinter. If the repeat character fails the test, the first character is printed. If both are in error an "error" symbol is output.

SELECTIVE FEC TOR: This system is similar to broadcast FEC TOR but the traffic is intended for receipt only by a particular station who will respond to his call sign. The message text is composed of inverted sense characters (3M/4S), and the commercial equipment is designed to detect and print the inverted characters only if it has recognized its own call sign sent repeatedly (in an upright sense preceding the text). The TOR code is shown in Table 3.

FREQUENCY DIVISION MULTIPLEX (FDM)

FDM transmissions are common on the HF bands. An FDM signal consists of a number of narrow shift RTTY channels sent simultaneously by a single transmitter. A typical transmission consists of 16 separate RTTY channels spaced 170 Hz apart each with a shift of 85 Hz. When properly tuned an FDM signal has an annoying, humming, buzzing, undulating sound through which the ear can sometimes discern one or two signals which sound something like normal RTTY.

The successful printing of the individual channels of an FDM signal requires a stable receiver and a special purpose demodulator capable of responding to a single narrow shift channel while ignoring all of its neighbors. There are no hobby-class demodulators with this capability. Surplus Frederick 1202R demodulators, available

from Electrovalue Industrial*, work well - the Model 1202RA being the unit of choice for the HF bands.

Tuning in an unknown FDM signal is tricky business. One approach is to view the demodulated signal on a triggered scope while tuning the receiver very, very slowly through the aggregate FDM signal. When an individual channel is properly tuned in the passband of the demodulator, the pattern on the scope will change to a train of pulses of reasonable width, e.g. multiples of 13 ms for 100 WPM traffic.

Any particular recovered channel is likely to be similar to one of the types of single shift signals described elsewhere, e.g. 60 and 67 WPM news, 100 WPM weather, synchronous crypto, encrypted Baudot. Reliable sources indicate that the military is responsible for a good deal of the FDM traffic. This seems reasonable in light of the fact that one typically finds AP news, UPI news and synchronous crypto all in the same FDM signal. See Table 4 for a listing of recently printed FDM signals.

TWINPLEX FDM

Twinplex is a special case of FDM in which two separate channels of information are sent by a single transmitter using four discrete closely spaced (ca 400 Hz) frequencies. Unlike normal FDM, which is actually just a collection of separate extremely narrow-shift signals, Twinplex requires a logical analysis of the transmitted signal to recover the two channels. This is usually done in a special type of demodulator. Other names for Twinplex are F6 and DFSK.

Let's examine how two separate streams of information, called channels A and B are sent using four closely spaced frequencies called 1, 2, 3 and 4.

```
CHANNEL A.....M M S S
CHANNEL B.....M S M S
FREQUENCY TRANSMITTED....1 2 3 4
```

SYNCHRONOUS CODES *

This is the catch-all group into which are collected all the FSK signals which don't fit any of the categories described above.

These signals are not asynchronous because careful analysis does not reveal the presence of start and stop bits for characters of any reasonable length. They are not Moore code not TOR code because they don't show the 3M/4S or 3S/4M signature of those codes.

Some of them could just be another commercial synchronous scheme, the characteristics of which are unknown to the author.

Many of them are military in origin and represent highly encrypted traffic based on a complicated scheme of inversion and/or exchange of 1-7 bits in the Baudot character. All 7 bits, including the start and stop bits, are subject to being inverted and/or swapped. Successive characters are encrypted differently on a pseudo-random basis. This traffic is meant to be militarily secure and as such is not subject to decoding by SWLs.

TOR Code

	Letters Case	Figures Case
1000111	A	-
1110010	B	?
0011101	C	:
1010011	D	
1010110	E	3
0010101	F	
0110101	G	
1101001	H	
1001101	I	8
0010111	J	Bell
0011110	K	(
1100101	L)
0111001	M	.
1011001	N	,
1110001	O	9
0101101	P	0
0101110	Q	1
1010101	R	4
1001011	S	'
1110100	T	5
1010110	U	7
0111100	V	=
0100111	W	2
0111010	X	/
0101011	Y	6
1100011	Z	+
1111000	CR	CR
1101100	LF	LF
1011010	Ltrs	Ltrs
0110110	Figs	Figs
1011100	Space	Space

TABLE 3

*Electrovalue Industrial, Inc., P.O. Box 376-G, Morris Plains, NJ 07950

All frequencies are in MHz, USB, (supressed) carrier, accurate within 10 Hz.

The speed is shown in WPM followed by (N)ormal or (R)everse or the author's receiving setup. Sense for you could of course, be reversed.

Channels shown are the internationally assigned channel numbers for 85 Hz shift, 170 Hz channel spacing FDM signals; the same as those on the Frederick Model 1202RA synthesized demodulator.

These frequencies were received and clear copy printed on the dates indicated. Some stations had disappeared (or moved) a week later, then reappeared the following week, e.g 2.602 MHz.

<u>FREQ.</u>	<u>DATE</u>	<u>TIME (GMT)</u>	<u>CHANNEL(S)</u>	<u>NOTES</u>
2.128000	03/28/84	0100	9	AP/UPI NEWS, 100/N
2.534000	02/23/84	0430	4	AP/UPI NEWS, 100/N
2.602000	11/08/83	2200	4,15	AP/UPI NEWS, 100/N
"	11/14/83	0300	4	"
"	03/02/84	0430	8	"
4.263000	11/16/83	0145	4	AP/UPI NEWS, 100/N
4.338000	11/16/83	0230	4,15	AP/UPI NEWS, 100/N
4.443000	11/16/83	0245-0345	7	AP/UPI NEWS, 100/N
4.539000	02/23/84	0520	12	AP/UPI NEWS, 67/N
4.599000	11/22/83	0530	4	AP/UPI NEWS, 100/N
4.618000	03/03/84	0350	4	AP/UPI NEWS, 100/N
4.711000	12/04/83	0600	4	AP/UPI NEWS, 100/N
4.711000	02/29/84	0320	7	AP/UPI NEWS, 100/N
4.902000	02/24/84	0315	10	AP/UPI NEWS, 67/N
5.371010	02/29/84	0420	3	WEATHER, 100/N
5.783000	01/03/84	0300	12	AP/UPI NEWS, 67/N
5.833000	12/08/83	0415	7	AP/UPI NEWS, 100/N
6.701000	01/23/84	0400	3	AP/UPI NEWS, 67/N
6.987400	12/15/83	2345	10	AP/UPI NEWS, 100/N
6.990000	12/28/83	0415	7	AP/UPI NEWS, 67/N
9.213000	10/29/83	2130	7	AP/UPI NEWS, 100/N
9.236000	05/01/84	2245	2	EE NEWS, 100/N (went off air)
9.403000	02/18/84	1130	3	AP/UPI NEWS, 100/N
10.205000	12/03/83	1500-1600	2	AP/UPI NEWS, 67/N
10.412990	03/10/84	2300	4	AP/UPI NEWS, 67/N
10.532010	03/11/84	2245	3	WEATHER CODES, 100/N
12.118000	03/13/84	0145	6	AP/UPI NEWS, 67/N
13.013000	12/03/83	1900	7	AP/UPI NEWS, 100/N
13.571000	01/18/83	2030	7	AP/UPI NEWS, 100/N
14.385000	12/31/83	2050	14	WX (WEATHER), 100/N
14.561000	01/07/84	1650	7	AP/UPI NEWS, 100/N

TABLE 4

WEBB LINZMAYER

ABOUT CYRILLIC

The teleprinters used by Soviet and Eastern Bloc Nations are usually designed to print out Cyrillic letters--rather than the Latin letters of the western romance languages. Every day, hundreds of RTTY transmissions in Cyrillic can be received from land-based stations and ships at sea.

Two distinctly different systems for transmitting Cyrillic are in common use. One system--known as the 2nd-register system--can print only Cyrillic letters and is used by Fixed Service (FX) stations. Typical of these transmissions are meteorological reports, traffic and some newscasts from PAP and TASS. The other system is known as the 3rd-register system and is able to print both Cyrillic and Latin letters through the use of a third keyboard shift in addition to the usual LTRS and FIGS shifts. This system is generally used by ships and coast stations.

2nd-REGISTER CYRILLIC In the 2nd-register system the 32-letter Cyrillic alphabet has been distributed over the same 5-bit level code as used in ordinary Murray Code baudot teleprinting, apparently without regard to phonetic correlation with Latin letters. In fact it seems as though a standard Cyrillic keyboard was simply superimposed over a regular baudot teleprinter keyboard and the print head changed to accommodate the Cyrillic letters.

Since 2nd-register machines can print only Cyrillic letters, everything transmitted must be sent in Cyrillic. This results in strange phonetic equivalents of Latin letters in callsigns when part of a test slip. For example, if the call is really RWW73, the Cyrillic phonetic equivalents would be transmitted as PBB73. However, since this callsign was sent on a 2nd-register machine on which no phonetic equivalent was used in defining the code, it would print out as HDD73 on all standard Baudot printers or demodulator/video screens. Similarly, RBV75 is frequently reported by inexperienced RTTY monitors as HNW75. The most common transliterations from Cyrillic to Baudot printouts in the 2nd-register system are: B = N, I = V, K = W, O = J, R = H, S = X, and W = D.

Also, RYRY test slip will sometimes appear as N&N&. These occasions appear to be operators thinking of 2nd-register transmissions when they are really dealing with 3rd-register equipment. One final ambiguity is that the letter "q" will always invariably print/display as # which is where the Cyrillic letter for the "shch" sound is located on the keyboard.

3rd-REGISTER CYRILLIC Unlike the 2nd-register system, the 3rd-register system was created with some phonetic correspondence between character assignments in the Latin and Cyrillic shifts. Unfortunately, in Cyrillic the 5-bit baudot level of "00000", normally a "No Action" character, is employed to shift to the Cyrillic case or 3rd shift. The LTRS and FIGS characters remain in their respective keyboard shifts.

When a 3rd-register Cyrillic transmission is demodulated by baudot equipment, much of the transmission will be printed or displayed as random figures plus an assortment of punctuation marks--baudot equipment has no provision to "up-shift" into the "Cyrillic Shift" mode. However, by putting your RTTY demodulator into

"down-shift or unshift on space" (UOS), letters will start showing up in the mix of figures and punctuation marks. Some letters will then form pronounceable words (usually names of cities, ships, individuals, etc.) because of the correlation between Cyrillic and Latin letters using just the LTRS and FIGS shifts. The accompanying Table illustrates the phonetic correspondence between Cyrillic and Latin letters for the same code character.

If you have a personal computer, it can be programmed to interpret the Cyrillic shift character ("00000") as an additional LTRS shift--making the entire printout intelligible. The computer either can be programmed as an RTTY "reader" (using the MARK signal), or as a converter between the receiver and a separate RTTY demodulator. Even if you don't have a computer, you can make sense out of a printout by manually using a table showing LTRS shift equivalents for the new FIGS shift Cyrillic characters.

The first step to Cyrillic interpretation is understanding the arrangement of the 32-letter Cyrillic alphabet into the Baudot code. Some punctuation marks have been replaced with letters that must be sent in the FIGS case. Most 3rd-register teleprinters replace the character \$, #, &, and BELL with Cyrillic letters. To make further economy of available characters, the 3rd-register machine uses the same symbol for a figure "4" and the printed Cyrillic letter that looks much the same. In addition, the two Cyrillic letters known as the "soft sign" and the "hard sign" which are not sounded in themselves--but indicate the quality of the preceding consonant--are merged into one character on 3rd-register machines since they look much the same (but are separate on 2nd-register Cyrillic machines).

5# F 9-)208, ODS/..\$ 253 EP
WWW
ODESSA RADIO TH
FRANKO SO
NATINU=
)5
#?8.6@ MOJ PISATX BOLX&3 NE MOGU ZAKAN48--5'1 REJS SNOWA
IWU ME
59@ WSTRE43 HOTQ
KOJ DALEKOJ Q SCFASTLIWA TEM 459 TS
TAKOJ
ODNOJ VELA
RJ= TATXQNA-

Sample 3rd Register Cyrillic as received on normal baudot equipment and the downshift or unshift-on-space turned on. Note that Russian words are now appearing and that Odessa Radio is very conspicuous.

THE RUSSIAN LANGUAGE

The last hurdle to interpreting Cyrillic RTTY transmissions are the language and transliteration (representing one alphabet by another) schemes. Although these is no substitute for an actual knowledge of the language, some help can be obtained from a Russian-English dictionary. It must be kept in mind that Russian is an inflected language: word endings change to indicate grammatical cases of nouns and pronouns as well as the person, mood, tense and number of verbs. It is necessary to look up the root (nominative singular of nouns or the infinitive of verbs) in the dictionary, not paying too much attention to the endings. A Russian grammar will help--both dictionaries and grammars are commonly available in paperback.

The most confusing problem interpreting Cyrillic RTTY transmissions is how words which are normally written in Cyrillic are expressed in Latin letters--in the absence of an universally accepted system--since every system is influenced by the language of the translator. A French speaker will spell the name of the Russian mathematician as Tchebycheff--and English speaker will spell it Chevyshev. The differences are in the native pronunciation of the "ch" and in whether or not a strict letter-for-letter system is used or a phonetic system--in which case the Cyrillic letter pronounced as "v" at the beginning or in the middle of a word becomes an "f" sound at the end of a word. The Cyrillic letter "x" is expressed by English speakers as a "kh" sound, but a German might write it as "ch" as in the word "ach".

Even the Russians are inconsistent when transliterating their own information for the ITU. Sometimes names of places and ships will be spelled out in a French language version. In these cases radio station UBN would be located in Jdanov, but in some English language lists and maps, the location becomes Zhdanov. Recently, the Soviets have moved closer to another English language system with quirks such as "j" appearing for a short "i" and "c" for a "ts" sound.

Some Russian vowels have two pronunciations depending on whether or not they are stressed. If stressed, a "y" sound then preceded the pronunciation--as in "ye" or "ya". If unstressed, the "y" sound vanishes in pronunciation, but not always in the transliteration. To retain a consistent and reversible scheme of transliteration, the USAF Foreign Technology Division follows this practice--for example Leningrad could come out as Lyeningrad. The only sure understanding comes from experience.

Hopefully, using the above information, RTTY monitors will be able to make some sense out of 3rd-register Cyrillic transmissions. North Americans can practice by Russian ships in the 8, 12, 16, 22 and 25 MHz bands (170/50Nc and/or 170/50Rc). As you become familiar with the Russian language some of the phrases will be recognizable, such as MENQ WSE HORO&O, which means "I'm fine". In the FX bands you will recognize telegrams, RTTY press schedules, soccer scores, etc.

ROBERT H. FRENCH

CYRILLIC	PHONETIC	LATIN
А	A	A
Б	B	B
В	V	W
Г	G	G
Д	D	D
Е	YE	E
Ж	ZH	V
З	Z	Z
И	I	I
Й	I	J
К	K	K
Л	L	L
М	M	M
Н	N	N
О	O	O
П	P	P
Р	R	R
С	S	S
Т	T	T
У	U	U
Ф	F	F
Х	KH	H
Ц	TS	C
Ч	CH	4
Ш	SH	&
Щ	SHCH	#
Ъ	-	X
Ы	Y	Y
Ь	-	X
Э	E	\$
Ю	YU	BELL
Я	YA	Q

-)5
8
5# 8 &3)&7,92 5),/.#\$ 26 25 4 0400=
5-
)8, 29 .7'5-.1\$ 86 (2,
8 43',9(926.=
949&83 .98 ,3 +--+62-053 ,-5-&7 09%?9%
853
5
)5?#853 -%43 4 95:- (- (2-&3 +%9492/3
)70 2-'=
'-0--
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Printout of 3rd register Cyrillic
using a standard baudot machine.

AERONAUTICAL MOBILE BANDS

The aeronautical mobile bands are for sole use by aircraft and ground stations involved with safety and flight coordination. The current plan (Geneva 1978) provides for 3kHz channels mainly used for USB. Selective Calling signals (SELCAL) are also used by ground stations to call individual aircraft.

Aircraft are rarely heard in the shared mobile bands and the vast majority are in the Aero route band (R) or Aero off-route band (OR). The former has been dedicated to air traffic services under the supervision of the International Civil Aviation Organization (ICAO) who developed use plans for the airline companies on these bands. Frequencies are allotted to stations providing four different types of services in specific geographical areas:

1. Major World Air Route Areas (MWARAs):
These provide Air Traffic Services to the international flights outside areas where VHF/UHF coverage is not available.
2. Regional and Domestic Air Route Areas (RDARAs):
These are for services to short and medium haul flights where there is a similar lack of coverage. In general, traffic is very light.
3. VOLMET broadcasts are a part of the aeronautical broadcast service:
These carry weather reports and forecasts for major airports to reduce requests from in-flight aircraft overloading the normal ATS channels. Many planned stations have been replaced by VHF transmissions.
4. World-wide channels to provide Long Distance Operational Control (LDOC):
These communications are provided by operating companies or government agencies, but excludes public communications.

Frequent traffic will be heard in these bands mainly in English, as this is the mandatory language specified by ICAO, but Spanish is often heard from Latin America and French from Africa. This activity is likely to continue well into the 1990's, as the earliest satellite carrying aeronautical mobile circuits is not planned until 1989/90 by INMARSAT. Practically every country in the world can be identified in these bands.

Aircraft in controlled airspace, out of range of VHF/UHF stations must use HF. This applies to all oceanic and sparsely inhabited areas with frequent air traffic. Position reports (AIREPS) are made at mandatory points which have names or are at 100 lines of longitude across the North Atlantic (but closer in the Pacific).

Russian language meteo broadcasts are generally moving from the OR band using AM to the RDARA nets assigned to the USSR in the R band and converting to USB. They are similar to the English language VOLMETS on the VNCA channels, but are not a part of the ICAO broadcast plan.

There are similar sized bands allotted to the AERO(OR) service planned in 1979 for AM telephony but this plan has not been implemented to any extent. LDOC services used this band until the world-wide channels became available. The main activity heard here is military mobiles, mainly aircraft on 1kHz channels, under control of ground stations. Now that Air Traffic Control traffic of the USAF is provided by ICAO in the R bands, there has been a small decrease in the level of activity in these bands.

Two frequencies (3023 and 5680kHz) on the divide between the R and OR bands are used for Search and Rescue (SAR) aircraft.

Z-CODES

The Z-code is a specialized system of statements, interrogations and responses used by commercial and military RTTY stations. These three-letter Z-codes occasionally duplicate the more common Q-codes used by all radio amateurs, SWL's and some commercial radio stations. RTTY stations may mix Q and Z codes. The interpretation of Q-codes has appeared so frequently in so many publications that it is not reprinted here.

The primary difference between the two codes is that the Z-code is more specific and less subject to literal interpretation. In the complete Z-code printed below, those codes used almost exclusively by military stations are identified with an asterisk. However, these Z-codes may also be used by commercials, albeit rarely, while non-asterisk Z-codes are used by both commercial and military RTTY stations.

Instead of the usual method of listing Q and Z codes (first by question and then by response), only a "statement" is shown in the list below. In virtually all of the listed Z-codes, the statement is a factual response that usually concerns circuit performance. In some instances, RTTY stations may add a "?" — to show interrogation — after the Z-code: e.g., ZHC? ZRO?, these would be readily interpreted to mean, "what are your receiving conditions?" and "Are you receiving me OK?".

Some archaic Z-codes have been modernized to be published in this book and may not correspond to older textbook versions of the Z-code. Although many Z-codes are so specialized that they may never appear on RTTY, many are so commonplace (ZBZ, ZHC, ZOK, ZRO, ZRY, ZDC, etc.) that their meanings will soon become quite familiar.

ZAK	Transmissions on kHz suspended until hours	ZAA*	You are not observing proper circuit discipline
ZAL*	Closing down now due to	ZAB*	Your speed key is improperly adjusted
ZAL	Change your frequency	ZAC*	Cease using your speed key
ZAM*	Unable to obtain a reply	ZAD*	Your signal is not understood
ZAN*	Send priority messages only	ZAE*	Unable to receive, try
ZAN	Receiving no signal from you	ZAF*	Patching you through to
ZAO*	Unable to understand voice—switch to CW	ZAG*	Break, go
ZAP*	Go to transmitting system	ZAH*	Unable to relay, we are filing, or you can supply new address
ZAP	Please acknowledge	ZAI	Run your TTY test tape
ZAQ*	The last word or group received was	ZAJ*	Unable to break in on you
ZAR*	This is my request (reply)		

ZAR – ZDU* (con.)

ZAR	Revert to automatic relay	ZCA	Our circuit is affected — we need more more readable signals
ZAS*	Rerun all tapes since on channel (frequency)	ZCB	Our circuit is broken — we cannot hear your signals
ZAT*	I am perforating my tapes now for transmission	ZCC	Collate your code
ZAU*	Your TTY bandwidth is	ZCD	Your collation is different than ours
ZAV*	Transmit in the blind until	ZCF	Please check your center frequency
ZAW*	Transmit 12 inches of blank tape at wpm	ZCI	Circuit is interrupted
ZAX	You are causing unnecessary interference by	ZCK	Check your keying
ZAY*	Transmit to me on kHz — I will acknowledge later	ZCL	Transmit your call letters again
ZAZ*	One of my transmitters may be defective — I will continue	ZCO	Your collation was omitted
ZBA*	The delay is due to	ZCP	Conditions are poor — go to maximum power
ZBB	Make copies of the following messages	ZCR	Using concentrator—make warning signals
ZBC	You are transmitting a continuous (mark or space) signal	ZCS	Cease transmitting
ZBD*	The following is a repeat of	ZCT	Sent all codes twice
ZBE*	Retransmit message for	ZCW	I am in contact with
ZBF	Use your large message forms for the following	ZDA	Here is a message—the priority is
ZBG*	You are transmitting your upper case only	ZDB*	Expedite reply to my (1) previous signal, (2) request for correction or (3) service message
ZBH*	Make a preliminary call before message transmissions	ZDC	I am diagnosing circuit faults and will advise
ZBI*	Listen for my voice signal	ZDD*	Bring message to the circuit
ZBK*	I am receiving your traffic (1) garbled or (2) in the clear	ZDE*	Your message undeliverable—I will (1) keep trying, (2) await advice on how to dispose, (3) will file or (4) wait for better address
ZBL*	Do not use break-in	ZDF*	Message received by addressee at
ZBM*	Put on watch on this frequency	ZDF	Your frequency is drifting
ZBN*	Your tape is reversed	ZDG*	Accuracy of the following is doubtful
ZBN	Go ahead with your new slip	ZDH*	Request corrected copy of message
ZBO*	I have messages in preference order	ZDH	Your dots are too long
ZBP*	Your characters/spacing are bad	ZDJ*	I have a message of groups for you
ZBQ*	Message was received	ZDK*	This is a repeated message
ZBR*	Send by (R) direct, (F) broadcast, (I) intercept or (G) repeat back method	ZDL*	Confirmation was (1) omitted or (2) differs from your text
ZBS	Your dots are (1) blurred, (2) light or (3) heavy	ZDL	Your dots are too short
ZBT*	Text group(s) should be counted as groups	ZDM*	I am holding your message
ZBU*	Report when you are in contact with	ZDM	Your dots are now missing
ZBV*	Answer me on kHz (MHz)	ZDN*	Report disposal of message
ZBW*	I am moving to kHz (MHz) for transmitting	ZDO*	I cannot send message to
ZBX*	I am moving to kHz (MHz) for receiving	ZDP*	Hold my message until all corrections are confirmed
ZBY*	Pass on this broadcast	ZDQ*	Message has been relayed to on kHz (MHz)
ZBY	Pull your tape back one yard	ZDR*	This is a multiple address message which should be routed according to plan
ZBZ*	The printing of your signal is (1) unusable, (2) extremely poor, (3) very poor making good copy impossible, (4) poor but acceptable or (5) perfect	ZDS*	Message just transmitted is wrong—correct message follows
		ZDT*	No further exercise messages will be sent until further notice
		ZDT	The following transmitters are running in dual
		ZDU*	Pass the following private message

ZDV*	Private message received for request instructions	ZFM*	We will repeat message transmitted when our equipment was defective
ZDX*	All messages up to number have been transmitted	ZFO*	Message is being delivered as a base-gram message
ZDY*	No private messages to be sent here	ZFO	Your signal is fading out
ZEC*	Message (1) not received or (2) need better identification	ZFQ*	Two messages received with same serial number—both released
ZED*	Your confirmation differs from text	ZFQ	Frequency shift of your signal is now Hz
ZEE	Your signal is dropping out	ZFR*	Cancel my transmission
ZEF	Your signal is being filled in	ZFR	You have rapid fading (1 to 5 grading)
ZEG	Your signal is garbled	ZFS*	Make message same as this procedure message
ZEH	The accuracy of the following is doubtful—confirm (1) heading, (2) text or (3) group count	ZFS	There is a slight fade to your signal
ZEI*	Message heading appears doubtful	ZFT*	Message had no station serial—but has been released
ZEJ*	Replies to message are to be sent at	ZGA*	Your callsign for this circuit is
ZEK*	No answer is required	ZGB*	Make all answers in alphabetical and/or numerical order
ZEL*	This message is a correction to message (used with "ZDG")	ZGC*	Answer in alphanumeric order and transmit callsigns times
ZEN*	This message is classified	ZGE*	Transmit your callsign times on frequency of kHz (MHz)
ZEP*	Portions of message marked "ZEP" will be transmitted later	ZGF*	Make callsign more distinct
ZEQ*	Transmit message to correct addressee	ZGF	Your signal is good for wpm
ZES*	Your message has been (1) received incomplete or (2) received garbled	ZGG*	The callsign of is
ZEU*	This is an exercise (drill) message	ZGH*	This transmitter is answering calls on two or more frequencies—expect delays
ZEV	Message is acknowledged	ZGI*	I have been calling you on kHz (MHz)
ZEX*	This is a booking message to be delivered to all addresses for which you are responsible	ZGJ*	I will call again on present frequency or on kHz (MHz)
ZFA*	Message intercepted and copied in the blind	ZGJ*	Call me again at hours on kHz (MHz)
ZFA	Your auto is failing	ZGL*	..... will answer calls for me
ZFB*	Pass this message to	ZGM*	I have been unable to contact you since hours
ZFB	Your signals are fading badly	ZGN*	Nothing has been heard from you since hours
ZFC	Check your TTY shift	ZGO*	Your number is answer after
ZFD*	This message is suspected to be a duplicate	ZGP*	Answer calls for me on kHz (MHz)
ZFD	Your depth of fading is (1 to 5 grading)	ZGP	Please give priority
ZFE*	Use supplementary heading and pass message to those for which you are responsible	ZGS*	Your signals are getting stronger
ZFF*	Advise when message was received by	ZGW*	Your signals are getting weaker
ZFG*	This message is an exact duplicate of message previously transmitted	ZHA*	Move down in frequency slightly
ZFH*	This message is being passed to you for (1) action, (2) information or (3) comment	ZHA	Conditions permit automatic reception
ZFI	There is no reply to message	ZHB*	Move up in frequency slightly
ZFJ*	Messages are no longer needed	ZHC	My receiving conditions are
ZFK*	Message does not concern you	ZHM	You have harmonics from your transmitter
ZFL*	The following traffic was addressed to you (serial numbers)	ZHN*	Your automatic transmissions are (1) (1) good, (2) fair or (3) unreadable
		ZHO*	My automatic speed is (1) revolutions, (2) wpm or (3) baud
		ZHP*	Automatic reception is prevented by

ZHQ* – ZNS* (con.)

ZHQ*	Listen on kHz (MHz) and transmit on kHz (MHz)	ZKQ	Say when you are ready to resume
ZHR*	Your speed is (1) too fast, (2) too slow, (3) erratic or (4) correct	ZKR*	I am maintaining a watch on kHz (MHz)
ZHS*	Send high speed at wpm	ZKS*	The following stations are in this net
ZHY*	We are holding your	ZKT*	I keep watch on kHz (MHz) between and
ZIA*	This message is being sent out of sequence	ZKW*	My keying weight is
ZIB*	Assign message the following serial number	ZLA*	I am going to transmit (1) photographs, (2) weather maps, (3) blueprints, (4) printed matter or (5) tests
ZIC*	The number of last message transmitted was	ZLB*	My drum speed is (1) 30, (2) 45, (3) 50, (4) 60, (5) 90 or (6) 100 rpm
ZID*	The number of last message received was	ZLB	Give me longer breaks
ZIE*	Following message serial numbers were never received	ZLC*	Your transmissions unsuitable for FAX
ZIF*	Serial numbers were not used	ZLD*	We are unable to synchronize
ZIG*	Serial numbers to were not used	ZLD	We are getting a long dash from you
ZIH*	These are repeats of headings sent you so you can check serial numbers	ZLG*	I am transmitting (1) positive or (2) negative FAX
ZII*	My message had the following date/filing information	ZLH*	I am transmitting maps on FAX
ZIJ*	I am changing my serial number—the last message was numbered	ZLJ*	Using the size lettering requested on FAX
ZIM*	There is industrial or medical interference on channel (1 to 5 grading)	ZLL*	There are distorted landline signals
ZIP*	Increase power	ZLN*	The facility cannot be operated at this time
ZIP	The postal address is	ZLP*	Run at low or minimum power
ZIR*	You have strong idle radiation	ZLS*	We are having a lightning storm
ZIS*	There is atmospheric interference (1 to 5 grading)	ZMG*	We are suffering from geomagnetic activity and storm
ZJF*	There is frequency jumping (1 to 5 grading)	ZMO*	Please stand by
ZJO*	Compare each text group	ZMP*	We see mispunching and perforator failures
ZKA*	..... is the control station on kHz (MHz)	ZMQ*	Standby for
ZKB*	It is necessary to have permission before transmitting messages	ZMU*	Multipath distortion making mark bias
ZKC	Use callsigns instead of "Z" codes	ZNB*	Authentication of is
ZKD*	Take control of net for until	ZNB	No breaks, please, send everything twice
ZKE*	..... reporting into net	ZNC*	All transmissions will be authenticated by
ZKF*	..... temporarily leaving the net	ZNC	There is no communications with
ZKG*	Tell to take schedule with on kHz (MHz)	ZND*	Check your authentications, it is incorrect
ZKH*	I have scheduled at	ZNE1*	The last transmission was authenticated by
ZKI*	Keep a watch on kHz (MHz) until	ZNE2*	The last transmission was not authenticated by
ZKJ*	Close down until	ZNG*	Receiving conditions are useless for CW
ZKL*	Resume normal communications at hours	ZNI*	No callsign has been heard
ZKM*	Guard kHz (MHz) for	ZNJ*	Do not forward message by radio—it is unsafe
ZKN*	I am guarding kHz (MHz)	ZNL*	If you question this message contact the encoding office
ZKO*	Guard handed over to with serial number	ZNM*	Check my encoding of this message and then repeat
ZKO	Resume on/off keying	ZNN*	I am clear of traffic
ZKP*	I am guarding kHz (MHz) for	ZNO*	They are not on the air
ZKQ*	I am standing guard for	ZNR*	That was not received
		ZNS*	Here is my new test slip

ZOA*	I have checked callsign it is OK	ZPR	Rerun slip at present running
ZOB*	I will take no further action regarding message	ZPS	Printer motor is running low
ZOC*	Relay this message to all addresses for whom you are responsible	ZPT	Send plain text twice
ZOD*	Act as a relay between and	ZPW*	This message is canceled at time indicated
ZOD	Observing (conditions) – will relay when better	ZRA*	Your frequency is (1) correct, (2) slightly high, (3) slightly low, (4) stable on steady mark signal, (5) stable on steady space signal, (6) unstable or (7) erratic
ZOE*	Forward your message—I will dispose of it	ZRB*	Check your frequency
ZOG*	Transmit this message to for (1) action or (2) information	ZRB	The signal you are relaying is poor—retune your receiver
ZOH*	Send message for on kHz (MHz) by (1) receipt, (2) broadcast or (3) intercept method	ZRC*	Tune your transmitter to my frequency
ZOH*	What traffic have you at hand?	ZRC	Can you receive CW?
ZOJ*	Unable to relay your message in present form—it is not encrypted	ZRD*	The frequency of is kHz (MHz)
ZOK*	Relay this message via	ZRE*	I hear you best on kHz (MHz)
ZOK	We are receiving OK	ZRF*	I will transmit a tuning signal on kHz (MHz)
ZOL*	I will relay your call to senior officer afloat	ZRG*	There will be a change in frequency to kHz (MHz) at hours
ZOL	OK, I am on line	ZRH*	Your frequency shift is (1) too wide, (2) too narrow, (3) not linear or (4) correct
ZOM*	Delivery of this message via mail is OK	ZRJ*	I will check my
ZON*	Place this message on (1) CW broadcast or (2) TTY broadcast	ZRK*	Revert to single channel operation
ZOO*	Place this message on MERCAST	ZRK	Your keying tape is reversed
ZOP*	This message has been delivered to all broadcast areas	ZRL*	Rerun your test slip before starting to send messages
ZOQ*	Deliver this message to all broadcast areas	ZRM*	I can receive (1) USB, (2) LSB and/or (3) both sidebands
ZOR*	Routine traffic for will be routed via	ZRM	Remove the modulation form
ZOR	Transmit only reversals	ZRN*	I will transmit (1) USB, (2) LSB or (3) both sidebands independently
ZOS*	Area routing for messages for is	ZRN	Your keying has a rough note
ZOT*	Handle this message at low priority	ZRO*	You can be read on (1) channel A, (s) channel B, (3) channel, (4) all channels or (5) no channels
ZOU*	Route your traffic for through on kHz (MHz)	ZRO	I am receiving you OK
ZOY*	Relay this message only to stations designated	ZRQ*	Change to the other sideband
ZOZ*	Need retransmission of message	ZRR*	Message will no longer be broadcast—but it still in effect
ZPA*	Your speech is distorted	ZRS*	Your carrier is (1) over-suppressed or (2) under-suppressed
ZPA	Printer (TTY) line feed signal not received	ZRT*	Run your full unmodulated power for minutes
ZPB*	Your transmitter has a strong idling signal	ZRT	Return to traffic handling
ZPC*	Your signals are (1) fading badly, (2) fading slightly, (3) good for wpm, (4) getting stronger or (5) getting weaker	ZRU*	Your mark and space tones are (1) too high, (2) too low or (3) correct
ZPC	Printer carriage return signal not received	ZRY*	Rerun test slip with RYRYRY
ZPD*	Signal has been checked by local monitor	ZSF	Send faster
ZPE*	Maximum power is being radiated	ZSH	There is heavy static here
ZPE	Punch everything you have	ZSI	What is my signal intensity?
ZPF*	Readability of the net is (1 to 5 grading)	ZSM	The microvolt input to my receiver is
ZPF	Printer motor is running too fast	ZSN	Give me a SINPO report on my signal
ZPG*	Signal strengths of the net are (1 to 5 grading)	ZSO	Transmit your slips once
ZPO*	Handle this message precisely as received		
ZPP	Punch plain only		

ZSR – ZZH*

ZSR	Your signals are strong and readable	ZVR*	Immediately transmit this message to all subordinate stations
ZSS	Send slower	ZVS	Your signals are varying in intensity
ZST	Transmit your slips twice	ZWB*	The operator's name is (limited usage)
ZSU	Your signal is unreadable	ZWC	There are key clicks
ZSV	Your speed is varying	ZWF*	That is incorrect
ZTA*	Transmit by (method)	ZWG*	You are correct
ZTC*	Your is faulty	ZWH*	Try again
ZTD*	Use	ZWI*	Please answer my last question
ZTE*	I am able to use	ZWK*	The answer to your last question is
ZTF*	My repairs are completed	ZWL*	No action to the following is required
ZTG*	My emission will be (1) CW, (2) MCW, (3) AM, (4) USB, (5) LSB, (6) RTTY	ZWN*	Correct version of the message is as follows
ZTH*	My emission will be (1) FM, (2) AM, (3) PM, (4) FSK or (5) AJ	ZWO*	Send each word once
ZTH	Transmit to me by hand	ZWR*	Your signals are weak, but readable
ZTI	My transmission will be temporarily interrupted	ZWS*	Your frequency is varying (1 to 5 grading)
ZTJ*	Cease using	ZXA	Adjust to receive speeds (FAX)
ZTK*	I am connected to	ZXC	Your FAX is conditionally acceptable
ZTM*	I am unable to use	ZXD	Send dashes, please
ZTN*	Your bias distortion is (1) excessive, (2) % mark, (3) % space or (4) % total	ZXF	You are floating fast (FAX)
ZTO*	Your character formation is	ZXH	Your limits are too high, reduce Hz
ZTP*	My modulation duration is milliseconds	ZXJ	You are jumping out of phase
ZTR*	I will disconnect to conduct a test loop	ZXK	Check your sync, it may not be correct
ZUA*	I will transmit a timing signal at	ZXL	Your limits are too low, increase Hz
ZUA	Conditions are not suited to automatic recording	ZXO	Your last FAX was defaced due to
ZUB*	At	ZXP	Go ahead with your FAX
ZUB	We have been unable to break in on you	ZXS	You are floating slow
ZUC*	From to	ZXV	Your modulation is varying
ZUC	Unable to comply—will do so at	ZYA*	Cease traffic and send A's on A channel (multiplex)
ZUD*	Until further orders	ZYC*	You are cycling on ARQ, the errors are stored at your end
ZUE*	Affirmative (yes)	ZYK*	Check your keying on channel
ZUG*	Negative (no)	ZYM*	Change from single printer to multiplex
ZUH*	Unable to comply	ZYN*	Make your bias neutral
ZUI*	Your attention is invited to	ZYP*	Change from multiplex to a single printer
ZUJ*	Standby	ZYR*	Please put on MUX revolutions
ZUK*	..... is ready for keying with	ZYS*	What is the speed of your transmission?
ZVB	You have varying bias	ZYT*	Check your Thyratrons
ZVF	Your signal is varying in frequency	ZYX*	Revert to MUX frames channels
ZVP	Send V's	ZZF*	That is incorrect or faulty
		ZZG*	That is now correct
		ZZH*	Go ahead and try again

THE FREQUENCY LIST

4000.0 - 4063.0 kHz — FIXED SERVICE (Worldwide)

4000.0	A9X	†HLA	Taejon, South Korea	SS	2.5	TIME SIGNALS
4000.0	F1B	RWN79	Moscow, USSR	FX	....
4002.0	CW	YRR4	Bucharest, Rumania	FX	0.8	Meteo
4002.0	R7bB/CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
4002.0	CW	....	Buenos Aires, Argentina	FX	....	TELAM Nx SS
4003.0	F1B	HBT24	Berne, Switzerland	FX	....
4003.2	LSB	....	numerous, USA nationwide	FX	....	US Army/MARS
4004.9	CW	"K"	unknown	RC	....	Beacon
4005.0	850/....e	CIR	Regina, Sask., Canada	FX	1.0	Canadian Forces
4005.0	FAX	*....	unknown, Europe	....	....	(0750, 1300, 1350)
4010.0	USB	VJY	Darwin, NT, Australia	FX	....	RFDS
4010.0	USB	VKJ	Meekatharra, Vic., Australia	FX	....	RFDS/Outposts
4010.0	USB	....	unknown	FX	....	numbers/66/4L
4010.0	USB	VNZ	Port Augusta, SA, Australia	FX	....	RFDS/Outposts
4010.0	425/50R	Y2E	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
4010.0	USB	DFD21	Frankfurt, GFR	FX	....	Numbers/GG/YL
4010.0	850/75Ne	NAU	NAVCOMMSTA San Juan, PR	FX	....	USN
4010.0	850/75R	AOK	NS Rota, Spain	FX	....	USN
4013.5	425/50R	HXX25	Paris (St. Assise), France	FX	1.0	Meteo (1430-0040)also 0752
4014.0	USB	ZMT3	Portland Is. Lighthouse, New Zealand	FX	....	wkg ZLW
4014.6	425/50R	FDI	Aix les Milles Air, France	FX	....	French AF
4015.0	850/....e	....	unknown	FX	....
4018.0	170/75N	ZR05	Pretoria, RSA	FX	1.0	Meteo
(NOAA reports wx forecasts at 0840 & 1440)						
4020.0	CW	OVG	Frederikshaven Naval, Denmark	FX	5.0	Danish Marine
4020.0	425/50R	Y7A22	Berlin (Konigs Wusterhausen), GDR	FX	5.0	MFA
4020.0	LSB	....	numerous, USA nationwide	FX	....	US Army/MARS
4021.5	CW	....	numerous, USA nationwide	FX	....	US Army/MARS
4022.0	USB	....	unknown	FX	....	numbers/66/4L
4024.5	850/50R	AWD	Delhi Aeradio, India	AX	....
4025.0	LSB	....	numerous, USA nationwide	FX	....	US Army/MARS
4030.0	USB	VKL	Port Hedland, Vic., Australia	FX	....	RFDS/Outposts
4030.0	*170/50R	WAR	Pentagon (Ft. Meade, MD), VA	FX	1.0	US Army/MARS
4030.0	B8E	....	numerous, USA nationwide	FX	....	US Army/MARS
4032.5	850/....e	VDD	Debert, NS, Canada	FX	10.0	Canadian Forces
4035.0	AM	....	RADIO BELJING, Beijing, PRC	BC	50.0	Ext Service PPBS Xitany
4035.0	LSB/USB	....	numerous, USA nationwide	FX	....	US Army/MARS
4037.5	FAX	SMA4	Stockholm (Norrkoping), Sweden	AX	2.5	Meteo 1600
(0040, 0740 & 0930)						
4040.0	USB	....	Barrigada (Agana NAS), Guam	FX	0.1	USCG/USN
(Emergency joint communications—"PAPA" channel)						
4040.0	CW	UCY2	Astrakhan Radio, USSR	FC	5.0	Caspian Sea
4040.0	850/75Ne	NPG	NAVCOMMSTA San Francisco, CA	FX	....	USN

kHz	Mode	Call	Location	Service	kW	Remarks
4040.0	850/...e	....	numerous, worldwide	FX	....	USN
4042.0	425/50R	A9M9	Manama, Bahrain	FX	10.0	WAKH Nx EE 1500-1700 AA 1700-2100 [Non-directional]
4042.0	170/75R	....	numerous, USA nationwide	FX	....	USN/MARS
4042.5	850/50N	ONY22	unknown	FX	....	Belgium Army
4044.0	CW	"G"	unknown	RC	....	Beacon
4044.5	850/75R	XXZ8	unknown	FX	....	FOXES
4044.8	850/...e	....	unknown	FX	....
4045.0	USB	VJJ	Charleville, Qld., Australia	FX	....	School of the Air
4045.0	USB	VJT	Carnarvon, WA, Australia	FX	....	School of the Air
4045.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
4045.0	425/50N	YRR2	Bucharest, Rumania	FX	....	Meteo
4045.0	850/...e	....	unknown	FX	....
4047.0	850/...e	....	unknown	FX	....
4047.5	FAX	FTE4	Paris (St. Assise), France	FX	10.0	Meteo
4048.5	USB	....	North Atlantic (USA) LORAN Net	FX	....	USCG (Includes: NMA7, Jupiter, FL; NMP32, Nantucket, MA; NMF33, Caribou, ME; MNM73, Carolina Beach [Cape Fear], NC; NOL, "Bermuda Monitor") [Alt: 5313.0]
4048.5	USB	....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4, San Salvador [Watling Is.], Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, San Juan, PR) [Alt: 5422.5]
4049.0	425/50R	"NSXW"	unknown, RYRYRY	....	....
4050.0	CW	FDY	Orleans, France	FX	FAF	
4050.0	850/50R	OLA3	Prague, Czechoslovakia	FX	5.0	Tfc/Moscow
4050.0	USB	....	numerous, along Greenland coastline	FX	....	Net (Rollcall at 1130 & 1730)
4050.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; NRO5, Upolu Point, HI & NRO7, Kure Is. [Ocean Is.], HI) [Alt: 5063.0]
4050.0	850/50R	IPG22	Warsaw, Poland	FX	0.2	Italian EMBASSY
4052.0	*F1B	OMZ9	Warsaw, Poland	FX	1.0	Czech EMBASSY
4052.0	*425/50N	EEQ	Madrid, Spain	FX	1.0	Police
4053.0	850/...e	....	unknown	FX	....
4054.0	CW	FUF	Fort de France Naval, Martinique	FX	....	French Navy
4055.0	USB	VJC	Broken Hill, NSW, Australia	FX	0.3	RFDS
4055.b	AM	....	Moscow, USSR	BC	20.0	Domestic Service
4056.0	USB	....	unknown	FX	....	numbers/66/4L
4057.0	850/50N	Y3K4	Potsdam, GDR	FX	5.0	Meteo
4059.5	425/50N	FYE5	Paris, France	FX	....	DIPLO
4060.0	850/50N	5YD22	Nairobi Aeradio, Kenya	AX	1.0	Tfc/Jo'Burg
4060.1	425/50R	VVD54	New Delhi, India	FX	5.0	Meteo
4061.5	850/75N	WBR70	Miami Aeradio, FL	AX	15.0	Meteo

4063.0 - 4438.0 kHz — MARITIME MOBILE (Worldwide)

4062.9	USB	The band between 4063.0 and 4140.5 kHz is divided into 26 channels spaced 3.1 kHz apart and assigned numbers from 401 to 426. These are ship transmitting channels and are duplexed with Coastal USB stations operating between 4357.4 and 4434.9 kHz				
	USB					
4063.0	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
4064.6	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
4065.0	USB	VYA77	Stoney, BC, Canada	FX	0.1	Net Control
4069.2	USB	....	several, on/offshore NS/Nfld.	FC/MS	...	Canadian Fishing
4075.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	5.0	
4077.0	A2(425Hz)	"VPKL"	(cont.)	....	....
4080.0	AM	....	RADIO ULAN BATOR, Mongolia	BC	....	1030-1100
4087.8	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
4115.7	USB	WFN	Louisville, KY	FC/MS	0.8	Inland Waterway
4120.0	AM	....	VRPR, Pyongyang, PDR Korea	BC	....	to South Korea
4125.0	USB	INTERNATIONAL SHIP STATION CALLING FREQUENCY				
4125.0	AM	....	unknown, probably Yugoslavia	FX	....	Numbers/Serbo-Croat/YL
4125.0	USB	KCI95	Cold Bay Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0800 & 2200

kHz	Mode	Call	Location	Service	kW	Remarks
4125.0	AM	KCI98	King Salmon Radio, AK	FC	1.0	NOAA reports wx broadcasts at 0200 & 2000
4125.0	AM	KGD58	Annette Radio, AK	FC	1.0	NOAA reports wx broadcasts at 1000 & 1500
4125.0	USB	KGD91	Yakutat Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0330 & 1600
4125.0	USB	NOJ	COMMSTA Kodiak, AK	FC	5.0	USCG (Wx broadcasts at 0703 & 1903)
4125.0	USB	WBH29	Kodiak Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0400 & 1100
4125.0	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (Includes NMC, San Francisco, CA; NMG, New Orleans, LA & NMO, Honolulu, HI)
4125.0	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships.
4130.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
4134.6	USB	ZLB	Awarua Radio, New Zealand	FC	1.0	AMVER
4134.6	USB	ZLD	Auckland Radio, New Zealand	FC	1.0	AMVER (NOAA reports wx broadcasts at 0318, 0918, 1518 & 2118)
4134.6	USB	ZLW	Wellington Radio, New Zealand	FC	1.0	AMVER
4134.6	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam)
4138.2	170/50N	....	unknown, but in North America	FX	....	(meter readings on RS5)
4143.6	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships.
4159.0	USB	....	unknown	FX	....	numbers/66/4L
4170.5	170/ARQ		The band between 4170.5 and 4177.0 kHz is divided into 14 channels spaced 500 Hz apart. These are paired with SITOR Coastal stations operating between 4350.0 and 4356.5 kHz. USSR ships use A70/50NC range, also on 4178.4193			
4170.5	170/ARQ					
4170.5	170/ARQ					
4176.0	CW	FUM	Papeete Naval, Tahiti	FC	....	French Navy
4179.0	FLB	*Y5M	Ruegen Radio, GDR	FC	....
4200.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
4202.5	425/50R	RAT27	Moscow, USSR	FX	20.0	Tfc
4220.0	CW	ZAD2	Durres Radio, Albania	FC	1.0	
4220.0	CW	LZW2	Varna Radio, Bulgaria	FC	5.0	
4220.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
4220.0	B9W	CTU42	Monsanto Naval, Portugal	FC	5.0	Port. Navy
4220.5	CW	C6N	Nassau Radio, Bahamas	FC	0.5	
4220.5	CW	DAF	Norddeich Radio, GFR	FC	5.0	
4221.0	850/75N	↑RXFC	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO
4221.0	CW	ODR9	Beirut Radio, Lebanon	FC	1.0	
4221.2	CW	GYU	Gibraltar Naval, Gibraltar	FC	2.0	British Navy
4222.2	CW	ZRH2	Cape (Fisantekraal) Naval, RSA	FC	5.0	RSA Navy
4222.2	CW	XSN	Ningbo, PRC	FC	....
4222.2	CW	YVG	La Guaira, Venezuela	FC	....
4223.0	CW	SVD2	Athens Radio, Greece	FC	2.5	
4223.0	CW	UGH2	Juzno-Sakhalinsk Radio, USSR	FC	5.0	
4223.0	CW	UCW4	Leningrad Radio, USSR	FC	....
4223.0	*170/50NC	UKA	Vladivostok Radio, USSR	FC	5.0	
4223.5	CW	9HD	Malta Radio, Malta	FC	5.0	2130-2200
4223.8	CW	ZRQ2	Cape (Simonstown) Naval, RSA	FC	5.0	RSA Navy
4223.8			(Reported wx broadcasts at 1030 & 1830)			
4224.9	CW	AME3	Madrid Radionaval, Spain	FC	....	Spanish Navy
4225.0	CW	LPC43	Ushuaia Radio, Argentina	FC	1.0	
4225.0	CW	CLA3	Havana Radio, Cuba	FC	5.0	
4225.0	CW	6YX	Kingston, Jamaica	FC	....	Jamaican Coast Guard
4225.0	CW	JCT	Choshi Radio, Japan	FC	5.0	
4225.3	CW	XFM	Manzanillo Radio, Mexico	FC	0.5	
4226.0	CW	FFD	St. Denis Radio, Reunion	FC	2.0	
4226.5	CW	STP	Port Sudan Radio, Sudan	FC	1.5	
4226.8	CW	SXA3	Spata Attikis Naval, Greece	FC	5.0	Greek Navy/NATO
4228.0	CW	XSP	Shantou Radio, PRC	FC	0.5	

kHz	Mode	Call	Location	Service	kW	Remarks
4228.0	CW	9MG6	Penang Radio, Malaysia	FC	5.0	
4228.0	CW	GKR4	Wick Radio, Scotland	FC	0.3	
4228.0	CW	KFS	San Francisco Radio, CA	FC	10.0	
4228.5	CW	VIM	Melbourne Radio, Vic., Australia	FC	1.0	NOAA reports wx broadcast at 0948
4228.5	CW	VII	Thursday Island, Qld., Australia	FC	1.0	NOAA reports wx broadcasts at 0018 & 0948
4229.0	CW	VIP7	Perth Radio, WA, Australia	FC	1.0	AMVER
4229.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	HX
4230.0	850/...e	...	unknown	....	....
4230.0	CW		Many low power stations in the Philippines			
4230.0	CW	4WD3	Hodeidah, North Yemen	FC	....
4230.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
4230.4	CW	PBC94	Goeree Island Naval, Netherlands	FC	....	[N13A] Dutch Navy
4230.5	CW	VIB	Brisbane Radio, Qld., Australia	FC	1.0	NOAA reports wx broadcast at 0948
4231.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	
4231.0	CW	A7S	Qatar Radio, Qatar	FC	....
4232.0	CW	HWN	Paris (Houilles) Naval, France	FC	2.0	French Navy
4232.0	CW	6WW	Dakar Naval, Senegal	FC	2.0	French Navy
4232.0	170/75Rc	....	unknown	FC	....
4232.4	CW	VPS	Cape d' Aguilar, Hong Kong	FC	....
4232.5	CW	UPS8	Cape D'Aguolar, Hong Kong	FC	....	1000-2100
4232.5	CW	5RS4	Tamatave Radio, Madagascar	FC	2.0	
4233.0	850/75N	CTV	Monsanto Naval, Portugal	FC	5.0	Port. Navy (NOAA reports surface analysis at 0555, 1155, 1755 & 2355)
4233.0	CW	A4M	Muscat Radio, Oman	FC	1.0	
4233.0	CW	UKX	Nakhodka Radio, USSR	FC	5.0	
4233.5	CW	YSM	Ruegen Radio, GDR	FC	5.0	
4234.0	CW	3SB	Datong Radio, PRC	FC	5.0	
4234.0	CW	CTV4	Monsanto Naval, Portugal	FC	3.0	Port. Navy (NOAA reports wx broadcasts at 0800 & 2000)
4235.0	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	AMVER (NOAA reports wx broadcasts at 0130, 0530 & 1730)
4235.0	CW	CLAI2	Havana (Cojimar) Radio, Cuba	FC	5.0	
4235.0	CW	ICB	Genoa P.T. Radio, Italy	FC	1.0	
4235.0	*F1B	†CTP	Oeiras Naval, Portugal	FC	1.5	Port. Navy/NATO
4235.0	FAX	CTV4	Monsanto Naval, Portugal	FC	3.0	Port. Navy (NOAA reports operation 0635-2200)
4235.0	CW	HLP2	Pusan Radio, South Korea	FC	3.0	
4235.0	CW	UFL	Vladivostok Radio, USSR	FC	10.0	
4236.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
4236.4	RTTY	SVV	spata Attikus Naval, Greece	FC	....	Greek Navy
4236.5	CW	VFF	Frobisher CG Radio, NWT, Canada	FC	1.0	AMVER
4237.0	CW	PKN	Balikpapan Radio, Indonesia	FC	0.3	
4237.0	CW	PKG	Banjarmasin Radio, Indonesia	FC	0.3	
4237.0	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	
4237.0	CW	VTP4	Vishakhapatnam Naval, India	FC	1.0	Indian Navy
4237.0	CW	4X0	Haifa Radio, Israel	FC	2.5	
4238.0	CW	WCC	Chatham Radio, MA	FC	10.0	
4239.0	CW	SVB2	Athens Radio, Greece	FC	....
4239.0	CW	HAR	Budapest Naval Radio, Hungary	FC	2.5	
4239.0	CW	9NB2	Penang Naval, Malaysia	FC	....	Malaysian Navy
4240.0	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	
4240.0	CW	YSM	Ruegen Radio, GDR	FC	5.0	
4240.0	CW	ZSD43	Durban Radio, RSA	FC	3.5	
4240.0	*170/50R	UNQ	Novorossiysk Radio, USSR	FC	5.0	
4240.5	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	
4241.0	CW	5AL	Tobruk Radio, Libya	FC	0.5	
4241.0	CW	LGW	Rogaland Radio, Norway	FC	5.0	
4241.0	CW	UKA	Vladivostok Radio, USSR	FC	10.0	Reported NAVAREA broadcast at 0030
4241.4	CW	4XZ	Haifa Naval, Israel	FC	....	Israel Navy
4242.0	CW	YSM	Ruegen Radio, GDR	FC	5.0	
4242.5	CW	ZSD4	Durban Radio, RSA	FC	3.5	NOAA reports wx broadcasts at 0905 & 1705
4243.0	CW	UVD	Magadan Radio, USSR	FC	5.0	Okhotsk Sea
4244.0	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS (NOAA reports wx broadcasts at 0400, 1000 & 2020)
4244.0	CW	XSK	Beihai Radio, PRC	FC	0.5	

kHz	Mode	Call	Location	Service	kW	Remarks
4244.0	CW	3CA4	Mbini Radio, Equatorial Guinea	FC	1.5	HX
4244.0	CW	DAL	Norddeich Radio, GFR	FC	5.0	
4244.0	CW	JGC	Yokohama Radio, Japan	FC	1.0	Marine Safety Agency
4244.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
4244.2	CW	GYA	London (Northwood) Naval, England	FC	1.0	British Navy
4245.0	CW	VIS53	Sydney Radio, NSW, Australia	FC	3.5	AMVER
4245.0	CW	UFN	Novorossiysk Radio, USSR	FC	1.0	HX
4245.0	170/75R	NMA	COMMSTA Miami, FL	FC	5.0	USCG
4246.0	FAX	9VG6	Singapore Radio, Singapore	FC	5.0	
4246.2	CW	GYA	London (Northwood) Naval, England	FC	1.0	British Navy
4246.5	850/75R	CFL	Halifax Radio, NS, Canada	FC	5.0	Canadian Forces
4247.0	CW	JFF	Miyagi Radio, Japan	FC	1.0	HX
4247.0	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	Reported wx
4247.0				broadcasts at 0000 & 1000		
4247.0	CW	OBC3	Callao Radio, Peru	FC	1.0	
4247.0	CW	KPH	San Francisco Radio, CA	FC	5.0	
4247.5	CW	PPL	Belem Radio, Brazil	FC	1.0	
4247.8	FAX	GZZ2	London (Northwood) Naval, England	FC	1.0	British Navy (0450-1525)
4250.0	FAX	LOK	Orcadas Radio, S. Orkeny Islands (Local winter 0300, 1700 & 1915, only)	FC	....	Meteo
4250.0	CW	LZW2	Varna Radio, Bulgaria	FC	5.0	
4250.0	CW	JCK	Kobe Radio, Japan	FC	2.0	
4250.0	CW	XFL	Mazatlan Radio, Mexico	FC	0.5	
4250.0	CW	PCH20	Scheveningen Radio, Netherlands	FC	3.0	AMVER
4250.0	CW	ZLP2	Irirangi Naval, New Zealand	FC	10.0	RNZ Navy
4251.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	NOAA reports
				wx broadcasts at 0130, 0730 & 1900		
4251.0	CW	3VP	La Skhirra Radio, Tunisia	FC	0.3	
4251.5	CW	GKC2	Portishead Radio, England	FC	5.0	
4253.0	CW	XSZ	Dalian, PRC	FC	....
4253.0	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
4253.0	*170/50Rc	UXN	Arkhangelsk Radio, USSR	FC	....	Nx RR 0900 (Wednesdays & Saturdays)
4253.0	850/50R	†WVOP	unknown	FC	....	FOXES
4253.0	850/....	....	unknown	FC	....	Net
4253.5	CW	HZG	Dammam Radio, Saudi Arabia	FC	5.0	
4254.5	CW	TBK9	Eregli, Turkey	FC	....	Turkish Navy
4254.5	CW	TBC9	Istanbul Kavak, Turkey	FC	....	Turkish Navy
4255.0	CW	CFH	Maritime Command, Halifax, NS, Canada	FC	10.0	[C13L] Canadian Forces
			(NOAA reports wx broadcasts at 0200, 0630, 1400 & 1800/Seasonal ice warning broadcasts at 0130 & 1430)			
4255.0	CW	UBF5	Leningrad Radio, USSR	FC	5.0	
4255.3	CW	PZN25	Paramaribo Radio, Suriname	FC	1.0	
4255.6	CW	VIT	Townsville Radio, Qld., Australia	FC	1.0	
4255.6	CW	VIR	Rockhampton Radio, Qld., Australia	FC	1.0	AMVER (NOAA reports wx broadcast at 0048)
4256.0	CW	CCM	Magallenes Radionaval, Chile	FC	....	Chilean Navy
4256.0	CW	XSK4	Haimen Radio, PRC	FC	0.5	
4256.0	CW	GKD2	Portishead Radio, England	FC	5.0	
4256.0	CW	KLC	Galveston (Arcadia), TX	FC	3.5	NOAA reports
				wx broadcasts at 0530 & 1130		
4256.5	CW	SXE	Aspropyrgos Radio, Greece	FC	3.5	HX
4257.5	CW	WLO	Mobile Radio, AL	FC	1.5	NOAA reports
				wx forecasts at 1300 & 2300		
4259.0	CW	HEB	Berne Radio, Switzerland	FC	5.0	
4260.0	CW	TBA2	Izmir Naval, Turkey	FC	1.0	[aka TCC21] Turkist Navy
4260.0	CW	UJO3	Izmail Radio, Ukrainian SSR	FC	5.0	HX
4260.0	CW	UDK2	Murmansk Radio, USSR	FC	5.0	
4260.4	CW	ZLO2	Irirangi Naval, New Zealand	FC	10.0	RNZ Navy
4260.9	CW	EBA	Madrid Radionaval, Spain	FC	....	Spanish Navy
4261.0	CW	ZSC45	Cape Town Radio, RSA	FC	10.0	
4262.0	CW	LPD62	Gen. Pacheco Radio, Argentina	FC	5.0	NOAA reports
				EE wx broadcasts at 0130 & 1615		
4262.0	CW	LZL2	Bourgas Radio, Bulgaria	FC	1.0	
4262.0	FAX	VFF	Frobisher CG Radio, NWT, Canada	FC	5.0	
4262.0	CW	J2A4	Djibouti Radio, Djibouti	FC	2.5	
4262.0	CW	9GA	Takoradi Radio, Ghana	FC	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
4262.0	CW	DZW	Manila Radio, Philippines	FC	0.3	
4262.0	CW	SAG2	Goteborg Radio, Sweden	FC	5.0	AMVER
4263.0	CW	FFP2	Fort de France Radio, Martinique	FC	5.0	NOAA reports
			wx broadcasts at 0130, 0300, 0530 & 1300			
4264.0	CW	RCV	Moscow Naval, USSR	FC	....	Russian Navy
4265.0	CW	PPL	Belem Radio, Brazil	FC	1.0	NOAA reports
			wx broadcasts at 0130, 0800 & 1930			
4265.0	CW	DAM	Norddeich Radio, GFR	FC	5.0	TIME SIGNALS
			(2355-0006, winter only)/Tfc			
4265.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	5.0	Reported wx
			broadcasts at 0500 & 1700			
4265.0	850/...e	....	numerous, worldwide	FC	....	USN
4266.0	CW	XSR	Haikow Radio, PRC	FC	1.0	
4266.1	CW	....	COMSERVLANT to NAVCOMMSTA S.F.	FC	....	USN
4267.0	CW	TCR	Tophane Kulesi (Turkist Seaway Lines)	FC	....	TFL 1900
4268.0	CW	LPD68	Gen. Pacheco Radio, Argentina	FC	5.0	AMVER
4268.0	*850/75N	CKN	Vancouver Forces Radio, BC, Canada	FC	10.0	[C13E] NAWS
			Canadian Forces			
4268.0	CW	GKG2	Portishead Radio, England	FC	5.0	
4268.0	CW	VTG4	Bombay Naval, India	FC	2.0	Indian Navy
			(Reported wx broadcasts at 0130, 0500, 0900 & 1500)			
4268.0	CW	DZE	Mandaluyong Radio, Philippines	FC	0.4	
4268.0	CW	WCC	Chatham Radio, MA	FC	10.0	
4268.6	170/ARQ	SAB23	Goteborg Radio, Sweden	FC	5.0	
4269.9	CW	KPH	San Francisco Radio, CA	FC	5.0	
4271.0	FAX	CFH	Maritime Command, Halifax, NS, Canada	FC	5.0	Canadian Forces
			(NOAA reports seasonal ice warning pics at 0000 & 2200, plus various test charts, surface analysis, wave analysis, depictions, etc.)			
4271.0	0/75N	CFH	Maritime Command, Halifax, NS, Canada	FC	10.0	Canadian Forces
			(Issues plain text wx reports at various times)			
4271.0	CW	CCV	Valparaiso Naval, Chile	FC	....	Chilean Navy
4271.0	CW	XSG	Shanghai Radio, PRC	FC	1.0	
4271.0	CW	XFS	Tampico Radio, Mexico	FC	0.5	
4271.0	CW	FUJ	Noumea Naval, New Caledonia	FC	....	French Navy
4271.0	CW	UBE2	Petropavlovsk Radio, USSR	FC	5.0	HX
4271.7	CW	OFJ	Helsinki Radio, Finland	FC	5.0	
4272.0	CW	SPH22	Gdynia Radio, Poland	FC	5.0	
4272.5	CW	VIA	Adelaide Radio, SA, Australia	FC	1.0	NOAA reports
			wx broadcasts at 0018 & 1018			
4272.5	CW	VID	Darwin Radio, NT, Australia	FC	1.0	
4273.0	CW	HLF	Seoul Radio, South Korea	FC	3.5	
4274.0	CW	LPD74	Gen. Pacheco Radio, Argentina	FC	5.0	
4274.0	CW	XSU	Yantai Radio, PRC	FC	0.2	
4274.0	CW	GKB2	Portishead Radio, England	FC	5.0	
4274.0	AM	....	RADIO KANGGYE, North Korea	BC	....	Domestic Service
4274.0	CW	DZF	Manila (Bacoor) Radio, Philippines	FC	....	Reported wx
			broadcasts at 1600 & 2200			
4274.0	CW	KFS	San Francisco Radio, CA	FC	10.0	
4274.0	CW	WPD	Tampa Radio, FL	FC	5.0	NOAA reports
			wx broadcasts at 1420 & 2320			
4274.2	FAX	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	Meteo
4275.0	CW	TBA5	Ankara, Turkey	FC	....	Turkish Navy
4275.0	*170/50Nc	UFN	Novorossiysk Radio, USSR	FC	....
4275.5	CW	EAC	Cadiz (Tarifa) Radio, Spain	FC	1.0	
4276.0	CW	JNA	Tokyo Naval, Japan	FC	5.0	JMSDF
			(Reported NAVAREA broadcasts at 0005, 0405, 0805 & 1205)			
4277.0	CW	VRT	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	
4277.0	CW	ZLB2	Awarua Radio, New Zealand	FC	2.5	AMVER
4277.0	CW	UJ03	Izmail Radio, Ukrainian SSR	FC	2.0	
4277.1	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
4278.0	CW	DZP	Manila (Novaliches) R., Philippines	FC	2.5	Reported wx
			broadcasts at 0300 & 1100			
4278.0	CW	CTP93	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO
4278.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	5.0	
4278.5	CW	JFH	Hamajima Gyogyo Radio, Japan	FC	0.5	
4279.0	*850/75R	AME3	Madrid Radionaval, Spain	FC	1.0	[RETJ] Spanish Navy
4280.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	

kHz	Mode	Call	Location	Service	kW	Remarks
4280.0	CW	PJK34	Suffisant Dorp Naval, Curacao	FC	1.0	Dutch Navy
4280.0	*850/75N	PBC34	Goeree Island Naval, Netherlands	FX	....	Dutch Navy
4280.0	CW	MTI	Plymouth Naval, England	FC	1.0	British Navy
4280.0	CW	IDQ2	Rome Naval, Italy	FC	5.0	Italian Navy
			(NOAA reports wx forecasts at 0500, 0830, 1800 & 2100)			
4280.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	1.0	Uruguayan Navy
4280.0	CW	CWN23	Colonia Armada Radio, Uruguay	FC	0.3	Uruguayan Navy (HX)
4282.7	CW	DHJ59	Sengwarden Naval Radio, GFR	FC	0.4	GFR Navy/NATO
4283.0	CW	UQK2	Riga Radio, Latvian SSR	FC	5.0	
4283.0	CW	ZS.J2	NAVCOMCEN (Silvermine) Cape, RSA	FC	5.0	RSA Navy/AMVER
4283.0	CW	CQL	Principe Radio, Sao Tome e Principe	FC	0.5	
4283.0	CW	4ST2	Columbo, Sri Lanke	FC	....	Fisheries
4283.0	CW	UKW3	Korsakov Radio, USSR	FC	1.0	
4283.1	CW	XSV	Tianjin Radio, PRC	FC	1.0	
4284.0	CW	A9M	Bahrain (Hamala) Radio, Bahrain	FC	2.0	
4284.0	CW	DZR	Manila Radio, Philippines	FC	5.0	Reported wx broadcast at 0120
4285.0	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
4285.0	CW	XFU	Vera Cruz, Mexico	FC	....
4285.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	Reported wx broadcasts at 0400 & 2040
4285.0	CW	UFL	Vladivostok Radio, USSR	FC	1.0	HX
4286.0	CW	VHP2	COMMSTA Canberra, ACT, Australia	FC	5.0	[A13B] RA Navy
			(NOAA reports wx broadcasts at 0130 & 0530)			
4286.0	CW	GKA2	Portishead Radio, England	FC	5.0	NOAA reports wx broadcasts at 0930 & 2130/NAVAREA 0730 & 1730
4286.0	CW	VWC	Calcutta Radio, India	FC	2.5	TIME SIGNAL 1630
			(NOAA reports wx forecasts at 0918 & 1818)			
4287.0	CW	FJY4	St. Paul et Amsterdam Radio, French Antarctic	FC	0.3	
4288.0	CW	7TA2	Algiers Radio, Algeria	FC	5.0	
4288.0	CW	XSQ	Guangzhou Radio, PRC	FC	1.0	
4288.0	CW	DZZ	Manila Radio, Philippines	FC	0.1	
4289.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	5.0	Brazilian Navy
			(NOAA reports wx broadcasts at 0030, 0630 & 1730)			
4289.0	CW	4XZ	Haifa Naval, Israel	FC	1.0	Israel Navy
4289.0	CW	C9L6	Maputo Radio, Mozambique	FC	0.5	
4289.0	*170/75N	NUW	COMMSTA Whidbey Island, WA	FC	5.0	USN/NOAA
4289.1	CW	TFA	Reykjavik Radio, Iceland	FC	1.5	
4289.9	CW	TIM	Limon Radio, Costa Rica	FC	10.0	AMVER
4290.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	NOAA reports wx broadcasts at 1030 & 2330
4290.0	CW	UCW4	Leningrad Radio, USSR	FC	....
4290.0	FTB	RAT28	Moscow, USSR	FX	20.0	
4290.5	CW	OST22	Oostende Radio, Belgium	FC	5.0	
4291.0	CW	ZSC46	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS [0755-0800 & 1655-1700, only] (NOAA reports wx broadcasts at 1030 & 2330)
4292.0	CW	XYR6	Rangoon Radio, Burma	FC	1.0	
4292.0	CW	D4D	Praia de Cabo Radio, Cape Verde	FC	1.0	
4292.0	CW	EQZ	Abadan Radio, Iran	FC	0.5	
4292.0	CW	IAR24	Rome P.T. Radio, Italy	FC	5.0	NOAA reports wx broadcasts at 0050, 0700, 1250 & 1900
4292.0	CW	XFA	Acapulco Radio, Mexico	FC	0.5	
4292.0	CW	XFP	Chetumal Radio, Mexico	FC	0.5	
4292.0	CW	WOE	Lantana Radio, FL	FC	5.0	
4292.0	CW	CUG32	Sao Miguel Radio, Azores	FC	5.0	
4292.1	CW	CUL4	Lisbon Radio, Portugal	FC	5.0	
4292.5	CW	OMP2	Prague Radio, Czechoslovakia	FC	1.0	
4293.9	CW	SKA34	Sparta Attikis Naval, Greece	FC	5.0	Greek Navy/NATO
4294.0	CW	WNU31	Slidell Radio, LA	FC	2.0	
4294.0	CW	DZG	Manila (Las Pinas) Radio, Philippines	FC	5.0	
4295.0	CW	XSJ	Zhanjiang Radio, PRC	FC	1.0	
4295.0	CW	PKE	Amboina Radio, Indonesia	FC	1.0	
4295.0	CW	PKB	Belawan Radio, Indonesia	FC	1.0	
4295.0	CW	PKF	Makassar Radio, Indonesia	FC	1.0	
4295.0	CW	6VA3	Dakar Radio, Senegal	FC	4.0	
4295.0	CW	UHK	Batumi Radio, Georgian SSR	FC	5.0	Black Sea (HX)
4296.0	FAX	NOJ	COMMSTA Kodiak, AK	FC	5.0	USCG/Meteo

(Pics at various times: analysis, prognosis, outlook,

kHz	Mode	Call	Location	Service	kW	Remarks
			surface temperature, ice, fisheries aids, etc.)			
4296.0	CW	OMP	Prague Radio, Czechoslovakia	FC	....
4296.0	CW	IQX	Trieste P.T. Radio, Italy	FC	2.0	
4296.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	1.0	
4296.0	CW	EBC	Cadiz Radionaval, Spain	FC	1.0	Spanish Navy
4297.0	CW	TIM	Limon Radio, Costa Rica	FC	10.0	
4297.9	CW	PPO	Olinda Radio, Brazil	FC	1.0	NOAA reports
			wx broadcasts at 0100, 0600, 1000, 1200, 1500 & 2100			
4298.0	CW	OST2	Osteende Radio, Belgium	FC	5.0	
4298.0	CW	CCV	Valparaiso Naval, Chile	FC	....	Chilean Navy
			(NOAA reports wx forecasts at 0110 & 1330) [TIME SIGNALS]			
4298.0	CW	JMC2	Tokyo Radio, Japan	FC	4.0	NOAA reports
			wx broadcasts at 0318, 0918, 1518 & 2118			
4298.0	CW	FJA41	Papette Mahina Radio, Tahiti	FC	1.0	
4299.0	CW	9KK2	Kuwait Radio, Kuwait	FC	5.0	
4299.5	CW	SAB2	Goteborg Radio, Sweden	FC	5.0	
4299.7	CW	†"FLK"	unknown	FC	....	clg WGP
4300.0	USB	....	several, on/offshore NS/Nfld.	FC/MS	...	Canadian Fishing
4300.0	CW	RSVG	Petrozavodsk Radio, USSR	FC	5.0	
4300.2	CW	GYC2	London (Northwood) Naval, England	FC	....	[B13A] British Navy
4301.0	CW	VWM	Madras Radio, India	FC	2.5	
4302.0	CW	ZAD2	Durres Radio, Albania	FC	1.0	
4302.0	CW	A9M	Bahrain (Manama) Radio, Bahrain	FC	2.0	
4302.0	CW	SHY	Aelvsborg Radio, Sweden	FC	1.0	
4303.0	CW	EBK	Las Palmas Radionaval, Canary Is.	FC	....	Reported
			NAVAREA 0050 & 2050			
4303.0	CW	OXZ2	Lyngby Radio, Denmark	FC	5.0	
4304.0	CW	LS05	Buenos Aires Radio, Argentina	FS	....	Argentine Navy
			(Reported wx broadcasts at 0210, 1210 & 1810/NAVAREA at 0030, 1530 & 2100)			
4304.0	CW	VHR2	Darwin Naval, NT, Australia	FC	10.0	RA Navy
4304.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
4304.0	CW	"ZCB4"	unknown	FX	....	VVV
4305.0	CW	XSZ	Dairen Radio, PRC	FC	....
4305.0	*850/75R	CTU4	Monsanto Naval, Portugal	FC	....	[P12A] [RPFNCF] Portuguese Navy
4305.0	CW	HZW	Khafji Radio, Saudi Arabia	FC	2.0	
4305.0	*170/50nc	URD	Leningrad Radio, USSR	FC	5.0	
4305.0	CW	UIB2	Magadan Radio, USSR	FC	1.0	Okhotsk Sea
4305.2	CW	6WW	Dakar Naval, Senegal	FC	10.0	French Navy
4306.0	CW	SPE21	Szczecin Radio, Poland	FC	5.0	
4307.0	CW	D3L28	Luanda Naval, Angola	FC	6.0	
4307.0	CW	PWB	Belem Naval, Brazil	FC	....	Brazilian Navy
4307.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	10.00	Canadian Forces
4307.0	CW	JFX	Kagoshima, Japan & many others	FC	....	Fisheries
4307.0	CW	C9C3	Maputo Naval, Mozambique	FC	3.0	
4307.0	CW	UMV	Murmansk Radio, USSR	FC	5.0	Reported wx
			broadcasts at 0630 & 1700			
4308.0	CW	HLG	Seoul Radio, South Korea	FC	3.5	
4308.0	CW	CTU4	Monsanto Naval, Portugal	FC	....	Portuguese Navy
4308.0	CW	XFE	Ensenada, Mexico	FC	....
4308.2	CW	DAN	Norddeich Radio, GFR	FC	5.0	
4309.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
4310.0	CW	JHD	Hakodato, Japan	FC	....	Fisheries
4310.0	CW	XSI	Sania, PRC	FC	....
4310.0	CW	MTI	Plymouth Naval, England	FC	1.0	British Navy
4310.0	CW	UJE	Moscow Naval, USSR	FC	....	Russian Navy
4310.0	CW	WNU41	Slidell Radio, LA	FC	2.0	
4311.3	CW	EBA	Madrid Radionaval, Spain	FC	0.5	[EBCQ] Spanish
4312.0	CW	OSN44	Oostende Naval, Belgium	FC	1.0	Belgium Navy
4312.9	CW	FUG3	La Regine Naval, France	FC	5.0	French Navy
4313.0	CW	NPM	NAVCOMMSTA Pearl Harbor, HI	FC	10.0	[HCMP] USN
4313.0	CW	9WG33	Singapore Radio, Singapore	FC	3.0	
4313.0	CW	UDZ2	Poti Radio, USSR	FC	1.5	(Black Sea)
4314.0	CW	DXR	Manila, Philippines	FC	....	Wx 03001000
4314.0	CW	DZN	Manila (Novotas) Radio, Philippines	FC	5.0	NOAA reports
			wx forecasts at 0200 & 1400			
4314.0	CW	XSM	Xiamen, PRC	FC	....
4314.9	FAX	GKN4	Portishead Radio, England	FC	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
4315.0	*170/75Rc	URD	Leningrad Radio, USSR	FC	5.0	wx 0715
4315.0	CW	XVG22	Haiphong Radio, Vietnam	FC	1.0	
4316.0	CW	GKM2	Portishead Radio, England	FC	5.0	
4316.0	CW	VWB	Bombay Radio, India	FC	1.0	
4316.0	FAX	JJC	Tokyo Radio, Japan	FC	5.0	Meteo/Nx/NTM
4316.0	CW	A7S	Qatar Radio, Qatar	FC	....
4316.0	CW	DVY	Manila (Iloilo) Radio, Philippines	FC	0.4	
4316.0	CW	WLC	Rogers City Radio, MI	FC	0.3	HX
4316.0	170/75Rc	....	unknown	FC	....
4317.0	850/50N	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
4317.0	CW	ZSC33	Cape Town Radio, RSA	FC	10.0	
4317.5	CW	GKI2	Portishead Radio, England	FC	5.0	
4318.0	CW	DZU	Manila (Pasig) Radio, Philippines	FC	1.0	
4319.0	CW	OKZ21	Lyngby Radio, Denmark	FC	5.0	
4319.0	CW	SPH23	Gdynia Radio, Poland	FC	5.0	
4319.1	CW	XSG	Shanghai Radio, PRC	FC	1.0	
4320.0	CW	IAR4	Rome P.T. Radio, Italy	FC	5.0	NOAA reports wx forecast at 0050
4322.0	CW	CBM2	Punta Arenas Radiomaritima, Chile	FC	0.7	
4322.0	CW	9VG54	Singapore Radio, Singapore	FC	3.0	NOAA reports wx broadcasts at 0120 & 1320
4322.0	CW	WPA	Port Arthur Radio, TX	FC	5.0	
4322.0	CW	YVL	Puerto Cabello Radio, Venezuela	FC	0.6	
4322.0	CW	YVM	Puerto Ordaz Radio, Venezuela	FC	0.6	
4323.0	CW	VIC	Carnarvon Radio, WA, Australia	FC	1.0	NOAA reports wx broadcasts at 0148 & 1130
4323.0	*170/50Nc	UFH	Petropavlovsk Radio, USSR	FC	5.0	
4323.5	CW	YQI4	Constanta Radio, Rumania	FC	1.0	
4323.6	CW	VIE	Esperance Radio, WA, Australia	FC	1.0	NOAA reports wx broadcasts at 0018 & 1118
4324.0	CW	DZH	Manila Radio, Philippines	FC	0.3	Reported wx broadcasts at 1100 & 2320
4325.0	CW	SUP	Port Said Radio, Egypt	FC	2.0	
4325.0	....	FUE	Brest, Naval Radio, France	FC	....	French Navy
4325.0	*850/...e	FUB	Paris (Houilles) Naval, France	FC	1.0	French Navy
4325.0	CW	LFW	Rogaland Radio, Norway	FC	5.0	AMVER
4325.0	CW	OBQ5	Iquitos Radio, Peru	FC	0.5	
4325.1	CW	AQP2	Karachi Naval, Pakistan	FC	5.0	Pakistan Navy
4325.3	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
4326.0	CW	XSF	Lianyungang Radio, PRC	FC	1.6	
4326.0	170/75R	NUW	COMMSTA Whidbey Island, WA	FC	5.0	USCG
4326.5	CW	GKJ2	Portishead Radio, England	FC	5.0	
4326.5	CW	JYO	Aqaba Radio, Jordan	FC	1.0	AMVER
4327.0	CW	SVE2	Athens Radio, Greece	FC	5.0	
4328.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
4328.0	CW	FFL2	St. Lys Radio, France	FC	5.0	
4328.0	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
4328.0	CW	DZM	Manila (Bulacan) Radio, Philippines	FC	10.0	
4330.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
4330.0	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	Reported wx broadcasts at 0300 & 1000
4330.2	RTTY	EPD	Theran, Iran	....	....	METEO
4331.0	CW	HAR	Budapest Naval Radio, Hungary	FC	5.0	
4331.0	CW	SPE22	Szczecin Radio, Poland	FC	5.0	
4331.0	CW	WCC	Chatham Radio, MA	FC	10.0	
4332.0	850/...e	....	unknown	....	....
4332.5	CW	JCK	Kobe Radio, Japan	FC	1.0	
4333.0	170/75R	NOJ	COMMSTA Kodiak, AK	FC	....	USCG
4334.0	CW	LSA2	Boca Radio, Argentina	FC	2.0	
4334.0	CW	XST	Qingdao Radio, PRC	FC	1.6	HX
4334.0	CW	PJC	Curacao (Willemstad) Radio, Curacao	FC	2.5	
4334.0	850/74R	FUE3	Brest Naval Radio, France	FC	....	RFFKYCF (FAAC)
4335.0	CW	UDH	Riga Radio, Latvian SSR	FC	....
4335.0	USB	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG
			to ALFA TANGO VICTOR BRAVO abt injuries			
4336.0	425/50R	....	Prague, Czechoslovakia	FX	....	Meteo (cont.)
4336.0	CW	GKK2	Portishead Radio, England	FC	5.0	
4336.0	CW	DZI	Manila (Bacoor) Radio, Philippines	FC	1.0	Reported wx broadcast at 0000
4337.0	850/50N	JJF	Tokyo Naval, Japan	FC	4.0	JMSDF

kHz	Mode	Call	Location	Service	kW	Remarks
4337.0	CW	9MG6	Penang Radio, Malaysia	FC	5.0	
4337.0	CW	SPH27	Gdynia Radio, Poland	FC	5.0	
4337.0	CW	....	numerous	FA/FC/FX ..		USCG
				[Command Net Calling Frequency]		
4338.0	CW	DYM	Cebu Radio, Philippines	FC	0.4	
4339.0	CW	....	unknown	FC	....
4340.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
4340.0	CW	XSQ	Guangzhou Radio, PRC	FC	5.0	
4340.0	CW	GYQ	Portsmouth Naval, England	FC	....	British Navy
4340.0	CW	9GX	Tema Radio, Ghana	FC	5.0	
4342.0	CW	LZL2	Bourgas Radio, Bulgaria	FC	1.0	
4342.0	CW	XUK4	Compong Som-Ville Radio, Cambodia	FC	0.3	
4342.5	CW	IRM2	CIRM, Rome Radio, Italy	FC	5.0	Medico/AMVER
4342.5	CW	TBH9	Golaik, Turkey	FC	....	Turkish Navy
4342.9	CW	WSL	Amagansett Radio, New York	FC	4.5	
4343.0	CW	TUA3	Abidjan Radio, Ivory Coast	FC	4.0	
4343.0	CW	SVF2	Athens Radio, Greece	FC	2.5	
4343.0	CW	XSL	Fuzhou Radio, PRC	FC	0.4	
4343.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
4343.0	CW	YJM4	Port-Vila Radio, Vanuatu	FC	0.5	
4344.1	FAX	↑NMC	COMMSTA San Francisco, CA	FC	2.0	USCG/Meteo
4344.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
4344.5	CW	JHC	Chosi, Japan	FC	....
4344.5	*170/ARQ	GKS2	Portishead Radio, England	FC	15.0	
4344.5	CW	OMP21	Praha, Czechoslovakia	FC	....
4345.0	CW	UFM3	Nevelsk Radio, USSR	FC	5.0	
4346.0	CW	KFU2	Veracruz Radio, Mexico	FC	1.0	
4346.0	850/75N	↑RFXFC	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO
4346.0	CW	NMC	COMMSTA San Francisco, CA	FC	4.0	USCG
			(NOAA reports wx forecast at 0630)			
4346.0	CW	WMH	Baltimore Radio, MD	FC	0.8	
4346.0	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	Reported wx
				broadcasts at 0000, 1400 & 1900		
4346.0	CW	YUR	Rijeka Radio, Yugoslavia	FC	5.0	
4346.0	CW	LBH	Trondheim, Norway	FC	....	Norwegian Navy
4346.0	CW	LBT	Bodoe, Norway	FC	....	Norwegian Navy
4347.5	CW	5BA	Cyprus (Nicosia) Radio, Cyprus	FC	5.0	
4349.0	CW	CBV	Valparaiso Radiomaritima, Chile	FC	0.3	AMVER
4349.0	CW	JCS	Choshi Radio, Japan	FC	3.0	
4349.0	CW	STQ	Seychelles Radio, Seychelles	FC	1.0	
4349.0	CW	EAD	Aranjuez Radio, Spain	FC	3.5	
4349.0	CW	UXN	Arkhangelsk Radio, USSR	FC	5.0	
4350.0	CW	TBB5	Ankara, Turkey	FC	....	Turkish Navy
4350.0	CW	IAR	Rome Radio, Italy	FC	....
4350.0	CW	A9M	Bakrein Radio, Bakrein	FC	....
4349.0	CW	EAD	Aranjuez Radio, Spain	FC	3.5	
4349.0	CW	UXN	Arkhangelsk Radio, USSR	FC	5.0	
4350.0	USB	VJD	Alice Springs, NT, Australia	FX	....	RFDS
4350.0	*170/ARQ	9VG74	Singapore Radio, Singapore	FC	5.0	
4350.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	5.0	
4350.0	CW	TBB5	Ankara, Turkey	FC	....	Navy
4350.0	CW	IAR	Rome Radio, Italy	FC	....
4350.0	CW	A9M	Bakrein Radio, Bakrein	FC	....
4350.5	CW	GKE2	Portishead Radio, England	FC	5.0	
4351.0	CW	ODR9	Beirut Radio, Lebanon	FC	1.0	
4351.0	*170/ARQ	LGW2	Rogaland Radio, Norway	FC	5.0	
4352.0	*170/ARQ	WLO	Mobile Radio, AL	FC	5.0	
4352.0	170/FEC	WLO	" " "	FC	5.0	Wx brdcast 1149
4352.0	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
4352.5	*170/ARQ	DCL	Nordeich Radio, GFR	FC	5.0	Nx/GG/1830
4353.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	5.0	
4354.0	850/50N	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	NOAA reports wx forecast at 0600
4354.0	170/ARQ	....	unknown			
4355.0	170/ARQ	↑WFN	Louisville, KY	FC	5.0	Inland Waterway
4355.0	850/....e	....	unknown	....	....
4355.9	*170/ARQ	KPH	San Francisco Radio, CA	FC	5.0	
4356.5	170/ARQ	....	unknown	FC	....

kHz	Mode	Call	Location	Service	kW	Remarks
4357.4 - 4434.9 kHz — MARITIME COAST USB DUPLEX (WORLDWIDE)						
4357.4	USB	SAG	Goteborg Radio, Sweden	FC	5.0	CH#401 (4063.0)
4357.4	USB	ZSV8	Walvis Bay Radio, RSA	FC	10.0	" "
4357.4	USB	KMI	San Francisco Radio, CA	FC	10.0	" "
[NOAA reports wx broadcasts at 0000, 0600 & 1500]						
4358.0	CW	†C9C4	Maputo Naval, Mozambique	FX	3.0	TIME SIGNALS
4360.5	USB	SPC23	Gdynia Radio, Poland	FC	10.0	CH#402 (4066.1)
4360.0	USB	....	Portishead, Engalnd	....	....	" "
4363.6	USB	CFH	Maritime Command, Halifax, NS, Canada	FC	10.0	CH#403 (4069.2) (Canadian Forces)
4363.6	USB	VFC	Cambridge Bay CG Radio, NWT, Canada	FC	1.0	CH#403 (4069.2)
4363.6	USB	WOM	Miami Radio, FL	FC	10.0	" "
[Wx forecast & TFL at 1230]						
4366.7	USB	KWJ91	Anchorage Radio, AK	FC	....	CH#404 (4072.3)
4366.7	USB	....	numerous, on/offshore Alaska	FC/MS	...	" "
4366.7	USB	FFL21	St. Lys Radio, France	FC	10.0	CH#404 (4072.3)
4366.7	USB	KGN	Delcambre Radio, LA	FC	1.0	" "
4369.8	USB	....	numerous, on/offshore Alaska	FC/MS	...	" "
4369.8	USB	PPL	Belem Radio, Brazil	FC	1.0	CH#405 (4075.4)
4369.8	USB	FFL23	St. Lys Radio, France	FC	10.0	" "
4369.8	USB	PCG21	Scheveningen Radio, Netherlands	FC	10.0	" "
4369.8	USB	9VG60	Singapore Radio, Singapore	FC	10.0	" "
4369.8	USB	ZSC25	Cape Town Radio, RSA	FC	5.0	" "
4369.8	USB	WAK	New Orleans Radio, LA	FC	1.0	" "
4369.8	USB	WLC	Rogers City Radio, MI	FC	1.0	" "
4372.9	USB	GKT26	Portishead Radio, England	FC	10.0	CH#406 (4078.5)
4372.9	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
4373.0	USB	....	numerous, USA nationwide	FA/FC/MS	..	USN
4373.0	USB	....	"GIANT KILLER", Oceana NAS, VA	FA	....	USN
4376.0	USB	VFU2	Cape Dorset CG Radio, NWT, Canada	FC	1.0	CH#407 (4081.6)
4376.0	USB	VOK	Cartwright CG Radio, Nfld., Canada	FC	1.0	" "
4376.0	USB	VAP	Churchill CG Radio, Man., Canada	FC	1.0	CH#407 (4081.6)
4376.0	USB	VAW	Killinek CG Radio, NWT, Canada	FC	1.0	" "
4376.0	USB	VFF	Frobisher Bay CG Radio, NWT, Canada	FC	5.0	" "
[NOAA reports wx broadcasts at 0140, 1040, 1340 & 2240]						
4376.0	USB	VFR	Resolute Bay CG Radio, NWT, Canada	FC	1.0	CH#407 (4081.6)
4376.0	USB	VFU	Coral Harbor CG Radio, NWT, Canada	FC	1.0	" "
4376.0	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
4376.0	USB	LGN4	Rogaland Radio, Norway	FC	10.0	" "
4376.0	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
4376.0	USB	ZSD37	Durban Radio, RSA	FC	5.0	" "
[NOAA reports wx forecast at 1703]						
4376.0	USB	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG (This frequency also used by USCG Coast Stations NMF, Boston, MA & NMN, Portsmouth, VA) [Used for special law enforcement activities when required]
4376.5	850/50N	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
4379.1	USB	VFZ	Goose Bay CG Radio, Nfld., Canada	FC	1.0	CH#408 (4084.7)
4379.1	USB	HEB14	Berne Radio, Switzerland	FC	10.0	" "
4379.1	USB	KVK	Miami Radio, FL	FC	1.0	" "
4379.1	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
4380.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
4380.5	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
4382.2	USB	LGN5	Rogaland Radio, Norway	FC	10.0	CH#409 (4087.8)
4382.2	USB	WBL	Buffalo Radio, NY	FC	1.0	" "
4382.2	USB	WLC	Rogers City Radio, MI	FC	1.0	" "
4382.2	USB	WMI	Lorain Radio, OH	FC	1.0	" "
4382.2	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
4382.2	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
4385.0	CW	SKD	Piraeus, Greece	FC	....	Greek Navy
4385.3	USB	VAI	Vancouver CG Radio, BC, Canada	FC	1.0	CH#410 (4090.9)
4385.3	USB	PCG23	Scheveningen Radio, Netherlands	FC	10.0	" "
4385.3	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
[NOAA reports wx forecasts at 0100 & 1300]						
4388.4	USB	EHY	Pozuelo del Ray Radio, Spain	FC	10.0	CH#411 (4094.0)
4388.4	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
[NOAA reports wx forecast at 1900]						
4389.0	CW	FUO	Toulon Naval, France	FC	....	French Navy
4391.5	USB	IAR	Rome Radio 4, Italy	FC	7.0	CH#412 (4097.1)

kHz	Mode	Call	Location	Service	kW	Remarks
4391.5	USB	WOM	Miami Radio, FL	FC	10.0	CH#412 (4097.1) (NOAA reports wx forecast at 1330)
4394.6	USB	CTH	Horta Naval Radio, Azores	FC	2.5	Port. Navy CH#413 (4100.2)
4394.6	USB	VCS	Halifax CG Radio, NS, Canada	FC	5.0	" "
4395.0	USB	....	unknown	FX	....	numbers/66/4L
4397.7	USB	....	numerous, on-offshore	FC/MS	....
4397.7	USB	WLO	Mobile Radio, AL	FC	10.0	CH#413 (4100.2) (NOAA reports wx broadcasts at 0000, 1200, & 1800)
4400.8	USB	....	Athens Radio, Greece	....	....
4400.8	USB	9MG42	Penang Radio, Malaysia	FC	5.0	CH#415 (4106.4)
4400.8	USB	....	numerous, worldwide	FC	....	USN/CH#415 (4106.4)
4403.9	USB	....	numerous, on/offshore Alaska	FC/MS	...	
4403.9	USB	FFL22	St. Lys Radio, France	FC	10.0	CH#416 (4109.5)
4403.9	USB	KMI	San Francisco Radio, CA	FC	10.0	" "
4403.9	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
4407.0	USB	....	Bratislava Radio, Czechoslovakia;	....	....
4407.0	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#417 (4112.6)
4407.0	A3H	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	" "
			[NOAA reports wx broadcasts at 0233 & 2348]			
4407.0	USB	KMI	San Francisco Radio, CA	FC	10.0	CH#417 (4112.6)
4407.0	USB	WOM	Miami Radio, FL	FC	10.0	" "
			[NOAA reports wx forecast at 2230]			
4410.1	USB	CFW	Vancouver Radio, BC, Canada	FC	1.0	CH#418 (4115.7)
4410.1	USB	VCS	Halifax CG Radio, NS, Canada	FC	1.0	" "
4410.1	USB	KQM	Honolulu Radio, HI	FC	1.0	" "
4410.1	USB	WBL	Buffalo Radio, NY	FC	1.0	" "
4410.1	USB	WLC	Rogers City Radio, MI	FC	1.0	" "
4410.1	USB	WMI	Lorain Radio, OH	FC	1.0	" "
4410.1	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland WaterWay
4410.1	USB	WFN	Louisville, KY	FC/MS	0.8	" "
4410.1	USB	WGK	St. Louis (Granite City, IL), MO	FC/MS	0.8	" "
4413.2	USB	PPL	Belem Radio, Brazil	FC	1.0	CH#419 (4118.6)
4413.2	USB	FFL24	St. Lys Radio, France	FC	10.0	" "
4413.2	USB	PCG22	Scheveningen Radio, Netherlands	FC	10.0	" "
4413.2	USB	WLO	Mobile Radio, AL	FC	10.0	" "
			[Wx forecast at 1200]			
4415.5	USB	....	unknown	FX	....	NUMBERS/GG/YL 2300
4416.3	USB	....	Goteborg Radio, Sweden	FC	5.0	CH#420 (4121.9)
4419.0	USB	WAK	New Orleans Radio, LA	FC	....	NOAA reports wx broadcasts at 0500 & 1400
4419.4	USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#421 (4125.0)
4419.4	USB	....	numerous, coastal waters, worldwide for communications with oil rigs)	FC/MS	...	Simplex (Used)
4422.5	USB	....	numerous, on/offshore Alaska	FC/MS	...	
4422.5	USB	CKN	Vancouver Forces Radio, BC, Canada (Canadian Forces)	FC	10.0	CH#422 (4128.1)
4422.5	USB	COB	Havana Radio, Cuba	FC	2.5	" "
4422.5	USB	COB41	Cienfuegos Radio, Cuba	FC	1.0	" "
4422.5	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
4425.6	USB	....	numerous, on/offshore Alaska	FC/MS	...	
4425.6	USB	WOM	Miami Radio, FL	FC	10.0	CH#423 (4131.2) [NOAA reports wx forecast at 2330]
4428.7	USB	VIA	Adelaide Radio, SA, Australia	FC	1.0	CH#424 (4134.2) [NOAA reports wx forecasts at 0845 & 2303]
4428.7	USB	VIB	Brisbane Radio, Qld., Australia	FC	1.0	CH#424 (4134.3) [NOAA reports wx broadcasts at 0318 & 2333]
4428.7	USB	VIO	Broome Radio, WA, Australia	FC	1.0	CH#424 (4134.3) AMVER [NOAA reports wx broadcasts at 0803 & 2333]
4428.7	USB	VIC	Carnarvon Radio, WA, Australia	FC	1.0	CH#424 (4134.3) AMVER [NOAA reports wx forecasts at 0418, 0503 & 2318]
4428.7	USB	VID	Darwin Radio, NT, Australia	FC	1.0	CH#424 (4134.3) AMVER [NOAA reports wx broadcasts at 0348, 0733 & 2233]
4428.7	USB	VIE	Esperance Radio, WA, Australia	FC	1.0	CH#424 (4134.3) [NOAA reports wx broadcasts at 0103 & 0833]
4428.7	USB	VIH	Hobart Radio, Tasmania, Australia	FC	1.0	CH#424 (4134.3) [NOAA reports wx forecasts at 0303, 0718 & 2218]

kHz	Mode	Call	Location	Service	kW	Remarks
4428.7	USB	VII	Thursday Island, Qld., Australia	FC	1.0	CH#424 (4134.3)
4428.7			AMVER [NOAA reports wx forecasts at 0248, 0648 & 2303]			
4428.7	USB	VIM	Melbourne Radio, Vic., Australia	FC	1.0	CH#424 (4134.3)
			[NOAA reports wx broadcast at 0730]			
4428.7	USB	VIP	Perth Radio, WA, Australia	FC	1.0	CH#424 (4134.3)
			AMVER [NOAA reports wx broadcasts at 0103, 0503 & 0903]			
4428.7	USB	VIR	Rockhampton Radio, Qld., Australia	FC	1.0	CH#424 (4134.3)
			AMVER [NOAA reports wx forecasts at 0218, 0633 & 2248]			
4428.7	USB	VIS	Sydney Radio, NSW, Australia	FC	1.0	CH#424 (4134.3)
			[NOAA reports wx forecasts at 0203, 0703 & 2203]			
4428.7	USB	VIT	Townsville Radio, Qld., Australia	FC	1.0	CH#424 (4134.3)
			[NOAA reports wx forecasts at 0333, 0748 & 2133]			
4428.7	USB	....	Goteborg Radio, Sweden	FC	5.0	CH#424 (4134.3)
4428.7	USB	HEB24	Berne Radio, Switzerland	FC	10.0	" "
4428.7	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG/AMVER
4428.7			[NOAA reports wx broadcasts at 0430 & 1030]			CH#424 (4134.3)
4428.7	USB	NMG	COMMSTA New Orleans, LA	FC	10.0	USCG/AMVER
						CH#424 (4134.3)
4428.7	USB	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG/AMVER
			[NOAA reports wx broadcasts at 0400 & 0530 & 1000]			CH#424 (4134.3)
4428.7	USB	....	Caribbean/Atlantic Voice Circuits	FC/MS	...	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA & NMN, Portsmouth, VA)
4428.7	USB	WOM	Miami Radio, FL	FC	10.0	CH#424 (4134.3)
4429.4	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG
4431.8	USB	OXZ	Lyngby Radio, Denmark	FC	10.0	CH#425 (4137.3)
4431.8	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
4431.8	USB	WWD	La Jolla Radio (Scripps), CA	FC	10.0	" "
			[NOAA reports wx forecasts--weekdays--June through October]			
4434.9	USB	JBO	Toyko Radio, Japan	FC	10.0	CH#426 (4140.5)
4435.0	USB	....	several, on/offshore NS/Nfld.	FC/MS	...	Canadian Fishing
4437.5	USB	"4N"	unknown-military	FX	....	wkg "7R"
4437.9	4438.0 - 4650.0 kHz -- FIXED & MOBILE SERVICE (Worldwide)					
4438.5	USB	6YF21	Kingston (Coopers Hill), Jamaica	FX	1.0	Tfc/Barbadoes
4439.0	850/....e	....	unknown	FX	....
4440.0	850/50N	EZR44	St. Denis (Bel Air), Reunion	FX	10.0	Meteo/NOAA reports surface analysis at 0900 & 1200
						sked 0025/0325/1525/1825
4441.0	USB	....	"FLIM FLAM"	MA	....	USAF
4441.5	USB	VL5MB	Darwin, NT, Australia	FX	0.5	Telcom
4442.4	1000/50R	RG72	Kiev, Ukrainian SSR	FX	5.0	Meteo
4445.0	CW	NFO	San Miguel (Capas), Philippines	FC	5.0	USN/TIME SIGNALS/NOAA reports wx broadcasts at 0400 & 1300
4445.0	FAX	↑ROF73	Novosibirsk, USSR	FX	20.0	Meteo
4446.0	LSB	....	unknown, GDR	FX	....	tent. Army, GG Ffc.
4448.3	850/50R	MUY	Monchengladbach, GFR	FX	....	BAOR
4448.5	USB	AGA8HI	Hickam AFB, HI	FX	0.4	USAF/MARS
4449.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes: AFD, Langley AFB, VA; AFE7, MacDill AFB, FL; AFF45, England AFB, AFB, LA; AFG13, Mountain Home AFB, ID; AFH6, George AFB, CA; etc.)
4450.0	USB	....	numerous, northwestern USA	FX	....	USAF/MARS
4450.5	850/....e	....	numerous, USA nationwide	FX	....	USAF
4454.0	USB	↑3DV31	Suva Radio, Fiji	FC	0.2	
4454.7	250/75N	....	unknown	FX	....	Coded Tfc
4455.0	USB	....	numerous, in NWT, Canada	FX	....	Net/Telcom
4455.0	USB	....	says 48 CLEAR WITH 29			29 CLEAR WITH 48
			also WHEN I GET TO THE DOCK			
4455.0	425/50R	BJZ75	Wuhan, PRC	FX	1.0	Meteo
4455.0	F7B	RDM73	Tbilisi, Georgian SSR	FX	20.0	Meteo
4456.0	USB	....	numerous, worldwide	FX/MA	...	USAF
4460.0	850/50R	LR06	Buenos Aires, Argentina	FX	5.0	SAPORITI Nx SS (cont.) [Non-directional]
4460.0	USB	VCA318	Chipman, NB, Canada	FX/MS	0.1	Canadian Fishing
4460.0	USB	XLN45	Thunder Bay, Ont., Canada	FX	0.1	Telcom
4460.0	F7B	YTA2	Belgrade, Yugoslavia	FX	1.0	
4460.0	USB	....	unknown, uses call "Tailpipe Perky"	FX	....
4460.7	F1B	....	unknown	..	....

kHz	Mode	Call	Location	Service	kW	Remarks
4461.0	USB	AGB4	Wake Island	FX	1.0	USAF
4462.0	USB	XMP347	Hallifax, NS, Canada	FX/MS	0.1	Canadian Fishing
4462.5	850/75R	KWS78	Athens, Greece	FC	1.0	USA Embassy
4463.5	850/50N	ONY27	Rouveroy, Belgium	FX	....	NATO
4464.5	USB	....	numerous, USA nationwide	FX	....	CAP
4464.5	425/...e	....	unknown	FX	....	Idling
4465.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
4465.0	CW	SXA2	unknown, Greece	FX	....	Greek Navy
4465.0	425/50N	....	Moscow, USSR	FX	....	tfc/sopia
4465.5	CW	FDI	Aix les Milles Air, France	FX	....	French AF
4467.0	USB	†....	Daventry, England	FX	30.0	BBC Feeder
4467.0	USB	....	SPARROW			
4467.5	850/75N	†KWS78	Athens, Greece	FX	1.0	USA EMBASSY
4467.5	USB	....	numerous, in midwest USA	FX	....	CAP
4467.5	USB	KIG443	unknown	FA	....
4467.5	USB	KKI721	unknown	FA	....
4470.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	40.0	USN
4472.0	850/50R	4NK27	Belgrade, Yugoslavia	FX	0.5	
4472.5	USB	CJN911	unknown, probably in NE Canada	FX/MS	...	Canadian Fishing
4474.0	*170/50Nc	UJ05	Izmail Radio, Ukrainian SSR	FC	5.0	Tfc/Danube
4475.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
4475.0	CW	....	unknown	FX	....	Coded Tfc
4476.0	USB	CTI224	unknown (includes CTI264,284 & 294)	FX	....	Net
4476.0	USB	....	BLUECHIP 39 wkg BLUECHIP 14 -- TN CAP			
4476.6	USB	....	bunch of American prospecting in net			
4478.5	USB	....	unknown, Europe	FX	....	numerous stu, miltfc/EE
4480.0	CW	SXC	Thessaloniki, Greece	FX	....	Greek Navy
4480.0	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
4480.0	CW	†TJ05	Douala Radio, Cameroon	FC	1.0	HX
4480.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	2.0	British Navy
4480.0	425/50R	Y7A23	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
4480.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
4480.0	850/50R	YTE	Belgrade, Yugoslavia	FX	1.0	
4481.0	425/50R	SWA16	Athens, Greece	FX	....	Meteo
4481.3	USB	....	unknown, in USSR	FX	....	Meteo
4482.0	425/50R	BJZ25	Yichang, PRC	FX	5.0	Meteo
4482.0	....	....	Montevideo, Uruguay	FX	....	AP Nx SS 2200-0100
4483.0	LSB	5CF4	Monrovia, Liberia	FX	....	Telcom/Abidjan
4483.0	425/45Ne	KIA84	Powder Springs, GA	FX	1.0	FCC
4483.0	425/45Ne	KOA56	Rendale, WA	FX	1.0	FCC
4483.5	USB	XOP654	Fort Chimo, PQ, Canada	FX	0.1	Net Control
4484.0	CW	T244	Funafuti, Tuvalu	FX	0.1	Net Control
4485.0	AM	....	RADIO MOSCOW, Ufa, Bashkir ASSR	BC	....	Domestic Service
4485.0	850/...e	....	several, in Far East	FX	....	USN
4487.0	USB	....	numerous, southwestern USA	FX	....	USAF/MARS
4489.0	425/50R	GFL26	Bracknell, England	FX	2.5	Meteo (cont.)
4489.3	RTTY	RIFADB	Chieti, Italy	FX	....	Carabinieri
4490.0	USB	VYP93	Bauline, Nfld., Canada	FL	1.0	Canadian Fishing
4490.0	USB	VYR35	Chibougaman, PQ, Canada	FX	0.1	Telcom
4490.0	USB	CJX337	Lake Elliot, PQ., Canada	FX	0.1	Telcom
4490.0	FLB	3BN	Port Louis Aeradio, Mauritius	AX	5.0	Tfc/Mahe
4490.0	F7B	RUF	Odessa, Ukrainian SSR	FX	25.0	
4492.2	170/50N	RIFADE	Vercelli, Italy	FX	....	Italian Army
4493.0	CW	....	unknown	FX	....	Repeats FED FED FED
4494.0	425/50R	SOE249	Warsaw, Poland	FX	10.0	Tfc
4495.0	USB	....	several, Pacific Ocean area	FX	....	USAF
4495.7	850/50N	....	unknown	FX	....	FOXES
4497.0	450/50R	SOE349	Warsaw, Poland	FX	10.0	Meteo
4497.0	CW	DSB	Pusan, South Korea	FC	0.1	
4497.0	CW	DSB	Seoul, South Korea	FC	0.1	
4497.5	FAX	CKN	Vancouver Forces Radio, BC, Canada	FX	5.0	C. Forces/Meteo
4499.0	425/75R	OMZ30	Prague, Czechoslovakia	FX	1.0	Libyan EMBASSY
4500.0	*AM	VNG	Lyndhurst, Vic., Australia	SS	10.0	TIME SIGNALS
4500.0	850/75Re	VDH	Alert, NWT, Canada	FX	10.0	C. Forces
4500.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
4500.0	USB	3BP20	Port Louis, Mauritius	FX	0.1	Tfc/Rodrigues
4500.0	USB	3BP30	Port Mathurin, Rodrigues	FX	0.1	Tfc/Mauritius
4500.0	850/50N	9VP5	Singapore, Singapore	FX	3.0	Tfc
4502.0	USB	FVR20	Strasbourg, France	FX	....	GNF
4502.0	170/ARQ	....	Wittesheim, France	FX	....	GNF

kHz	Mode	Call	Location	Service	kW	Remarks
4502.0	425/50N	HGX21	Budapest, Hungary	FX	....	MFA
4502.0	USB	"CMB"	Waiouru Naval, New Zealand	FX	3.0	RNZ Navy
4504.0	850/75R	CFW249	unknown	FX	....	NATO
4505.0	RTTY	FWZ62	Strasbourg, France	FX	....	GNF
4505.0	USB	CFW249	Ware, BC, Canada	FX	0.1	Net Control
4505.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder px feed MARS
4505.0	LSB	†NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
4507.0	B9W	FZL45	Noumea, New Caledonia	FX	1.0	Tfc
4507.5	USB	KAF360	unknown	FA	....	Tfc/KAF362
4507.5	USB	KAF361	unknown	FA	....	Tfc/KAF360
4508.0	RTTY	FVG20	Rouen, France	....	....	GNF
4509.0	425/50R	YOE25	Bucharest, Rumania	FX	1.5	Tfc/Moscow
4509.0	USB	....	numerous, in midwest USA	FX	....	CAP
4510.0	USB	....	numerous, on/offshore NS/Nfld.	FX/MS	...	Canadian Fishing
4510.0	USB	APE72	Jupiter, FL	FX	0.5	USAF/NASA
4510.5	USB	....	Abu Dhabi, UAE	FX	0.1	Tfc/Asab
4512.0	CW	"KKQ"	unknown	FX	....	Coded Tfc
4512.5	425/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	2.0	Tfc/Nairobi
4513.0	USB	NZJ	El Toro NAS, CA	FX	0.5	USN/Net Control
4514.0	425/50R	SOE251	Warsaw (Radom), Poland	FX	10.0	Tfc/Berne
4515.0	USB	....	ports in Newfoundland, Canada	FX	....	Telcom
4515.0	425/50R	YOE35	Bucharest, Rumania	FX	3.0	AGERPRES
4515.0	850/...e	....	numerous, worldwide	FX	....	USN
4515.0	170/75R	....	numerous, worldwide	FX	....	USN/MARS
4516.0	USB	PZS22	Paramaribo, Suriname	FX	0.1	Net Control
4516.7	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
4517.0	USB	AGA9EL	Elmendorf AFB, AK	FX	0.5	USAF/MARS
				numerous heard AFA3AK control		
4521.0	RTTY	EEQ	Madrid, Spain	....	....	Police
4524.8	425/50N	LZI	Sofia, Bulgaria	FX	6.5	BTA Nx EE 0800-0850
				(No broadcasts on Sundays) 1430-1455		
						1830-1930
				[Non-directional]		
4525.0	CW	Y3S	Berlin (Nauen), GDR	FX	5.0	TIME SIGNALS
4525.0	CW	NMO	COMMSTA Honolulu, HI	FX	10.0	USCG/NOAA re-
			ports wx broadcasts at 0100, 0400, 0700, 1300 & 2000			
4525.0	F1B	5ST28	Ivato Airport, Tananarive	QSL sked	0035/0335/0635/0935/1235/1535/1835	
			5 kw xmtr			
4525.0	850/...e	....	numerous, worldwide	FX	....	USN
4526.0	FAX	SUU36	Cairo, Egypt	FX	....	Meteo
4528.0	850/...e	....	unknown, probably in NA	FX	....
4529.5	B8E	5TN231	Nouakchott, Mauretania	FX	6.0	Telcom
4530.0	850/50R	....	Beijing, PRC	FX	5.0	XNA
4530.0	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
4530.0	850/...e	....	numerous, USA nationwide	FX	....	USN (active)
4531.0	USB	....	Aleutian LORAN Net	FX	....	USCG [Includes:
			NMJ22, Attu; NOJ, Kodiak; NRW2, St. Paul Is. & NRW3, Pt. Clarence--all AK)	[Alt: 4575.0]		
4531.0	425/50R	40B	Belgrade, Yugoslavia	FX	10.0	TANJUG
				[Beamed to Greece]		
4532.0	USB	GKA214	Inuvik, NWT, Canada	FX	0.5	Net Control
4532.5	850/50R	JMI	Tokyo, Japan	FX	5.0	[JMI] Meteo
4532.5	CW	LMB	Bergen Radio, Norway	FX	0.5	NOAA reports
			wx broadcasts at 1350 & 2240	(April-Sept., only)		
4532.5	425/50R	YOE55	Sabaoani, Rumania	FX	2.0	Tfc
4533.5	CW	FDE	Villacoublay Air, France	FX	1.0	French AF
4535.0	USB	....	several, in Canada	FX	....	Net
4535.5	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	40.0	[GCMP-2] USN
4537.0	USB	....	unknown, on/offshore NS/Nfld.	FX/MS	...	Canadian Fishing
4537.5	170/50N	DER42	Wiesbaden, GFR	FX	1.0	Tfc/Bonn
4540.0	B9W	VDD	Debert, NS, Canada	FX	10.0	C. Forces
4540.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
4543.5	USB	CFW	Vancouver, BC, Canada	FX	0.5	Telcom
4544.8	425/50Nc	RLA56	Moscow, USSR	FX	15.0	Tfc/Prague
4545.0	CW	"3MH9"	unknown	FX	....	clg NFHN
4547.5	425/50R	†IOJ	Rome Aeradio, Italy	AX	2.0	
4548.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
4549.5	850/50N	LR09	Buenos Aires, Argentina	FX	2.5	DYN Nx SS 1100-1300

kHz	Mode	Call	Location	Service	kW	Remarks
				(may switch to 100R)		1300-1330 1930-0400
				[Beamed south-southwest from Buenos Aires]		
4550.0	*USB	....	several, Australia nationwide	FX 1.0		Monitoring Net-
			work (Includes: VNA3, Melbourne; VNA4, Brisbane; VNA5, Adelaide; VNA6, Perth; VNA7 Hobart & VNA21, Townsville)			
			[Alt: 5422.0 & 6810.0]			
4550.0	CW	OMD	Prague, Czechoslovakia	....	
4550.0	425/50R	IRB25	Rome (Torrenova), Italy	FX 3.0		SNA Nx AA 0300-0700 2000-2300
				[Nominally beamed south to North Africa]		
4550.0	850/50R	↑RW79	Moscow, USSR	FX 20.0		Meteo
4550.0	USB	....	numerous (ICAO CAR)	FA		ARINC
4550.0	USB	....	Morgan City, "Ship Shoals", "Cameron", etc.			Oil Rigs
4550.0	USB	....	numerous stations SEVEN SEAS clg CAPE MAY 2/25/84			1158-1202
4550.1	USB	....	Northwest Pacific LORAN Net	FX		USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan, NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is. & Yap Island) [Alt: 5053.6]
4553.0	USB	....	unknown VKVC calls at different QTH			0938
4553.0	...	....	probably to do with TV, unknown			
4553.5	USB	↑....	Delano, CA	FX 50.0		VOA Feeder
4557.0	USB	VLIcP	Canberra, ACT, Australia	FX		Police
4557.0	*FIB	JJF	Yokosuka Naval, Japan	FX 0.5		JMSFA
4557.0	USB	....	numerous, USA nationwide	FX		USAF/MARS
4557.0	850/...e	....	100bd	FX		Idling
4558.0	850/...e	GXH	NAVCOMMSTA Thurso, Scotland	FX 5.0		USN
4559.5	CW	FDG7	Toulouse Air, France	FA		French AF
4560.0	USB	....	several, nationwide Australia	FX 1.0		Police Net (In-
			cludes: VKA, Adelaide; VKC, Melbourne; VKR, Brisbane & VKT, Hobart, Tasmania) [May be referred to as Channel 3]			
4560.0	USB	C10	unknown, also uses BAC + IPA	FX		letters/EE/YL
4560.0	USB	....	VKG (Hay, NSW) clg VKG (Wagga) 0932			
4560.0	FAX	YMA35	Ankara, Turkey	FX 5.0		Meteo
4560.0	CW	SXB	Patrus, Greece	FX		Greek Navy
4561.4	850/50R	YMH5	Bandirma, Turkey	FX		Meteo
4562.0	CW	FDG21	unknown, France	FA		French AF
4562.5	CW	JWT	Stavanger Naval, Norway	FX		Norwegian Navy
4563.0	425/50R	HGB25	Budapest, Hungary	FX		Meteo
4565.0	850/50R	↑FTE56	Paris (St. Assise), France	FX 20.0		Tfc/Havana
4565.0	B8E	....	Holzkirchen, GFR	FX 10.0		RFE Feeder
4565.0	USB	DSB	Pusan Radio, South Korea	FC 0.1		
4565.0	USB	DSQ	Incheon Radio, South Korea	FC 0.1		
4565.0	850/50R	↑RW78	Moscow, USSR	FX 20.0		Meteo
4565.0	USB	↑....	Delano, CA	FX 50.0		VOA Feeder
4565.0	USB	....	numerous, offshore North America	FX		Oil rigs
4569.0	850/50R	"B24M"	unknown	RYRY		
4570.0	425/50N	↑HZN46	Jeddah, Saudi Arabia	FX		Meteo
4570.0		HZN				
4571.0	USB	CHF280	Prince Albert, Sask., Canada	FX 0.5		Net Control
4572.0	USB	....	numerous, offshore North America	FX		Oil Rigs
4572.0	USB	CJR681	apparently a helio to VCC652	FX		
4572.0	FIB	FVT64	Chaul-sur-Saoun, France	FX		
4572.5	850/50R	SDC93	Stockholm (Varberg), Sweden	FX 20.0		Tfc/Shanghai
4572.5	425/50R	FVT64	Chalon-sur-Saone, France	FX		
4575.0	USB	....	Aleutian LORAN NET	FX		USCG (For list of stations see 4531.0) [Alt: 4531.0 & 5226.0]
4575.0	170/75N	NMO	COMMSTA Honolulu, HI	FX		USCG
4576.0	USB	....	Goroka Airport, Papua New Guinea	AX 0.1		
4576.0	USB	....	"Happy Antelope"	FX		NATO
4577.0	USB	CLX34	Havana, Cuba	FX 0.1		Net Control [Alt: 5837.0]
4577.0	USB	TUP43	Abidjan, Ivory Coast	FX 6.0		Telcom
4577.0	USB	"2RI"	unknown	FX		Net
4577.5	CW	....	unknown	FX		Wx 1130
4578.0	850/50R	↑PZP	Zanderij Aeradio, Suriname	AX 1.0		
4579.2	R2A	....	numerous CSP stations	FX		
4580.0	USB	....	numerous, southeastern USA	FX		USAF/MARS
4582.0	*CW	ONY27	Rouveroy, Belgium	FX		NATO
4582.0	USB	....	numerous, USA nationwide	FX		CAP

KHz	Mode	Call	Location	Service	kW	Remarks
4582.0	170/...e	....	unknown	FX	....
4582.0	425/50R	DDK2	Quickborn, GFR	FX	5.0	Meteo (NOAA re-
			ports synoptic observations at 0615, 1030, 1215, 1515 & 1815)			
4585.0	USB	NMJ1	COMMSTA Juneau, AK	FA	....	USCG
4585.0	USB	....	unknown--probably in Canada	FX	....	Telcom
4585.0	USB	....	numerous, eastern USA ("RED DOG")	FX	....	CAP
				also		"BLUE FLIGHT"
4585.0	850/...e	....	numerous, worldwide	FX	....	USN
4585.0	*F1B	....	several, in Pacific Ocean area	FX	....	USN
4586.0	CW	DHJ59	Sengwarden Naval, GFR	FX	....	GFR Navy/NATO
4586.0	CW	PAA21	The Hague Naval, Netherlands	FX	....	Dutch Navy/NATO
4587.0	A1*	....	Beijing, PRC	FX	1.0	XNA Nx CC 1245-2200
4588.0	CW	FUG	La Regine Naval, France	FX	....	French Navy
4590.0	USB	....	several, USA nationwide	FX	....	USAF
4590.0	850/...e	....	unknown	FX	....	Coded Tfc
4590.2	170/ARQ	....	unknown	FX	....
4591.0	CW	FUE	Brest Naval, France	FX	....
4591.0	850/75R	RFHJE	unknown FF msg to RFHIC			
4592.0	425/50R	YOE65	Lecca, Rumania	FX	1.5	Tfc
4593.0	850/50Ne	GYU	Gibraltar Naval, Gibraltar	FX	2.5	British Navy
4593.5	USB	....	numerous, northeastern USA	FX	....	USAF/MARS
4594.0	425/50R	"88KS"	unknown	....	....	RYRY only
4594.0	425/50R	....	unknown	....	....	RYRY only
4596.0	425/50N	KRM32	unknown, Europe, tfc with	SNG	201	
4597.0	USB	CLX3Ø	Lomacablanca, Cuba	FX	0.1	Net Control
						[Alt: 5827.0]
4597.2	USB	†TUP45	Abidjan, Ivory Coast	FX	2.0	Telcom
4600.0	850/...e	....	unknown	FX	....
4601.0	USB	ZLBC5	Campbell Island, New Zealand	FX	....	Tfc/ZLZ5
4601.4	USB	VCC42	Dartmouth, NS, Canada	FX	0.3	Net Control
4601.4	USB	VCA294	unknown, probably NS, Canada	FX/MS	...	Canadian Shipping
4601.4	USB	....	VCA294 c1g IMPERIAL BEDFORD & IMPERIAL ARCADIA			
4601.4	USB	VCA737	Battle Harbor, Nfld., Canada	FX	0.1	Net Control
4601.4	USB	VCA744	Cape St. Francis, Nfld., Canada	FX	0.1	Net Control
4601.5	USB	....	several, throughout France	FX	0.1	Net (Includes:
			stations in Bordeaux, Limoges, Pau, Poitiers & Toulouse)			
4602.5	USB	....	numerous, USA nationwide	FX	....	CAP
4603.5	850/50R	....	unknown	FX	....	Coded Tfc
4604.0	USB	†...e	numerous, USA nationwide	FX	....	FEMA
4605.0	CW	FAB28	unknown	FX	....	French Army
4607.0	CW	"FXL6"	unknown	FX	....
4610.0	FAX	GFA22	Bracknell, England	FX	0.5	Meteo (1800-2400)
4610.5	USB	....	numerous, offshore North America	FX	....	Oil Rigs
4611.0	USB	....	Antananarivo Radio, Madagascar	AX	5.0	Tfc/COM:KEN:MAU:SEY:TKG
4611.1	USB	3BN	Port Louis Radio, Mauritius	AX	5.0	Tfc/Antananarivo
						Tfc/Mahe
4612.0	USB	....	Nairobi Control, Kenya	AX	5.0	Tfc/MDG/SEY/SOM/TGK
4613.0	CW	DSB	Pusan Radio, South Korea	FC	0.1	(Also: DSD, Seoul;
						DSL, Mogpo & 6MD, Gunsan)
4613.5	425/50N	ELRB	Monrovia Aeradio, Liberia	AX	....
4613.5	USB	....	numerous, offshore North America	FX	....	Oil Rigs
4614.0	CW	FDC	Metz-Frescancy Air, France	FX	....	French AF
4615.6	CW	IDR2	Rome Naval, Italy	FX	1.0	Italian Navy
4616.0	USB	CGZ	St. Johns, Nfld., Canada	FX/MA	1.0	Net Control
4616.0	USB	....	Canadian a/c			
4617.0	CW	DSB	Pusan Radio, South Korea	FC	0.1	(Also: DSD, Seoul;
						DSQ, Incheon & 6MN, Sogcho)
4617.5	CW	FDE4	Bourges Air, France	FX	....	French AF
4618.0	170/50N	FDE42	Wiesbaden, GFR	FX	1.0	Tfc/Bonn
4620.0	USB	VH7KM	Margate	FX	....	Fishing
4620.0	USB	VII	Thursday Island, Qld., Australia	FX	1.0	Telcom
4620.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	10.0	Russian Service
4620.0	CW	FDE4	Bourgas Air, France	FX	....	French AF
4620.0	CW	FDY	Orleans Air, France	FX	....	French AF
4620.0	USB	"5XF"	unknown	FX	....	USN/Net
4620.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
4622.0	850/50N	ZEN8	Cape D'aguilar, Hong Kong	FX	3.0	Tfc/Shanghai
4622.0	USB	....	unknown, probably in PQ, Canada	FX	....	Telcom/FF
4623.0	CW	NGR	NAVCOMMSTA Nea Makri, Greece	FX	3.5	USN
			(NOAA reports wx at 0300 & 1230)			

kHz	Mode	Call	Location	Service	kW	Remarks
4625.0	AM	VEB2	unknown, probably in Canada	FX	....	TIME SIGNALS
4625.0	850/50R	SOE362	Warsaw (Radom), Poland	FX	10.0	
4625.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	1.0	
4626.1	CW	KRH50	London, England	FX	1.0	USA EMBASSY
4626.1	CW	....	unknown unclassified	USN tfc		
4626.5	USB	....	numerous, USA nationwide	FX	....	CAP
4627.0	USB	VGF91	Mount Bertha, BC, Canada	FX	0.1	Net Control
4627.0	USB	....	3 OM's sort of Canadian accents			
4627.0	USB	....	MUSKRAT LA/CAP			
4628.5	USB	....	unknown, possibly in Canada	FX	....	Telcom
4629.8	USB	....	numerous, USA nationwide	FX	....	CAP
4630.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
4630.0	*425/50R	SOE263	Warsaw, Poland	FX	10.0	
4630.0	F7B	RSZ20	Rostov na Donu, USSR	FX	20.0	
4630.0	425/50R	40C	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/Moscow
4631.6	USB	....	unknown, probably in PQ, Canada	FX	....	Telcom/FF
4632.0	425/50R	5TX	Nouadhibou Aeradio, Mauritania	AX	1.0	Tfc/Nouakchott
4632.0	RTTY	XTU	Ougodougou, Upper Volta	FX	....	testing
4632.5	CW	OEQ	Vienna, Austria	FX	1.0	INTERPOL
4632.5	*425/50N	ONA20	Brussels, Belgium	FX	3.0	"
4632.5	CW	5BP3	Nicosia, Cyprus	FX	0.5	"
4632.5	CW	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
4632.5	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
4632.5	CW	LJP24	Oslo, Norway	FX	....	"
4632.5	CW	SHX	Stockholm, Sweden	FX	1.5	"
4632.5	CW	HEP46	Zurich (Waltikon), Switzerland	FX	2.0	"
4634.5	USB	....	numerous, offshore North America	FX/MA	...	Oil Rigs
4635.0	USB	VJC	Broken Hill, NSW, Australia	FX	0.3	School of the Air
4635.0	CW	FSS267	Strasbourg, France	FX	....	CRS
4635.0	425/50R	SOE363	Warsaw, Poland	FX	10.0	
4635.0	F7B	RWW77	Moscow, USSR	FX	20.0	TASS
4637.5	CW	FDC20	Toulon Air, France	FX	....	French AF
4637.5	USB	WRB669	Houston, TX —maybe KMG669	FX	....	Net Control
4637.5	USB	KMG332	unknown	FB	....
4637.5	USB	....	numerous, offshore North America	FX	....	Oil Rigs
4637.5	USB	....	tow boats on USA rivers reporting position			
4639.0	*USB	....	Naples & Izmir	FX	....	NATO
4640.0	425/...e	....	Etampes Air, France	FX	10.0	French AF
4640.0	AM	....	unknown	FX	....	NUMBERS/SS/OM
4642.5	FAX	LMO34	Oslo, Norway	FX	0.5	Meteo
4643.0	425/50N	JYA18	Amman, Jordan	FX	3.0	
4643.0	CW	P2C2	Wewak, Papua New Guinea	FX	5.0	Tfc/Pt. Moresby
4645.0	USB	....	Tallium Meteo, USSR	....	....	VOLMET/RR tls
4645.0	CW	FUV	Djibouti Naval, Djibouti	FX	2.0	French Navy
4645.0	CW	FUF	Fort de France Naval, Martinique	FX	2.0	French Navy
4646.0	USB	DSB	Pusan Radio, South Korea	FC	0.1	(Also: DSD, Seoul; DSL, Mogpo & 6MD, Gunsan)
4646.0	170/...e	....	unknown	FX	....
4647.0	850/50R	SUC5	Cairo Aeradio, Egypt	AX	2.5	Tfc/Athens
4648.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
4649.0	CW	TBO	Izmir Radio, Turkey	FC	1.0	
4649.9 4650.0 - 4750.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
4650.0	CW	TBO9	Usunada, Turkey	....	....	Turkish Navy
4650.0	Cw	TBN9	Iskenderum, Turkey	....	....	Turkish Navy
4650.0	CW	TBG9	Canakkale, Turkey	....	....	Turkish Navy
4651.0	USB	....	numerous, northeastern Canada	FA/MA	...	Includes: VXS81 Goose Bay; VXS82, Middlecove; VXS83, St. Johns; VXS84, Gander; VXS85, Pasadena; etc.—all Newfoundland
4652.0	425/75Rc	....	unknown, probably in Far East	FX	....
4654.0	USB	....	Moscow (Sheremetievo) Radio, USSR	FA	....	VOLMET/RR (15+45)
4654.0	USB	....	unknown, in North America	FA	....	Telcom/EE
4654.0	USB	....	Bern, Switzerland	FA	....	Airport LDGC Hc. [Alt: 8070.0]
4656.0	USB	....	unknown, USSR	FA	....	VOLMET/RR (cont.)
4657.0	USB	....	Antananarivo Radio, Madagascar	FA	5.0	
4663.0	USB	....	Frederikshaven Radio, Denmark	FA	0.1	Danish Marine
4663.0	USB	....	Egedesminde Radio, Greenland	FA	0.1	Danish Marine
4663.0	USB	....	Moscow (Vnukovo) Radio, USSR	FA	....	VOLMET/EE/RR

kHz	Mode	Call	Location	Service	kW	Remarks
4663.0	USB	....	Novosibirsh (Tolmachevo) Radio, USSR	FA	....	VOLMET/EE/RR
4663.0	USB	....	Moscow (Sheremetievo), USSR	....	....	met 25+55 HN EE/RR
4665.0	CW	"RPKL"	unknown	....	....
4668.0	USB	WDB2	Nome Aeradio, AK	FA	1.0	
4668.0	*USB	KJY74	Miami "Monitor", FL	FA	....	NOAA
4669.0	USB	....	numerous (ICAO NW-SAM)	FA/MA	...	Airports & in-flight covering part of the western half of South America—usually heard are the Cali, Guayaquil, Lima, Quito, etc., airports
4669.0	USB	....	Alma Ata Radio	FA	....
4670.0	AM	....	unknown	FX	....	LETTERS/EE/YL
4672.0	USB	RFDK	Leningrad Radio, USSR	FA	....
4675.0	USB	....	numerous (ICAO NAT-D)	FA/MA	...	Airports & in-flight in the North Atlantic polar regions—usually heard are Bodo, Cambridge Bay, Churchill, Frobisher, Gander, Reykjavik, Sondrestrom & Shanwick airports
4678.0	USB	....	new freq for RA Navy or RDARA/Domestic SE ARDXC7/83			
4681.0	USB	VXW24	Seal Cove, BC, Canada	FA/MA	0.1	
4681.0	USB	VXW48	Prince Rupert, BC, Canada	FA/MA	0.1	
4684.0	USB	....	numerous, mostly PQ, Canada	FA/MA	...	Includes: CJC202, Lake Baskatong; CJB698, Lake Otter; CJB703, Lake Boudreau; etc.
4684.0	USB	....	Novosibirsk (Tolmachevo) Radio, USSR	FA	....	VOLMET/RR
4686.0	425/45R	....	unknown	..	....	RYRY
4689.0	USB	Pailton	Test EGBP			
4689.0	USB	....	numerous (ICAO EUR)	FA/MA	...	Airports & in-flight covering all of Europe, Middle East & Mediterrean
4689.0	USB	....	Beirut, Rome, Tunis & Malta Control			
4689.9	425/50R	'SUC	Cairo Aeradio, Egypt	AX	1.0	
4690.0	USB	....	Enköping, Sweden	FA	....
4696.0	USB	WDB2	Nome Radio, AK	FA/MA	1.0	
4696.0	USB	....	Autjubiusk, USSR	FA	....
4696.0	USB	VIS54	Sydney Radio, NSW, Australia	FA/MA	1.5	
4696.0	USB	....	numerous (ICAO SW-SAM)	FA/MA	...	Airports & in-flight covering southwestern South America—usually heard are Antofagasta, Arica, Asuncion, Buenos Aires, Lima, Easter Island/Materei, Puerto Montt, Punta Arenas, Santiago, etc., airports
4700.0	USB	UCIJ+	Minsk Control	FA	....
4700.0	USB	....	numerous, worldwide	FA/MA	....	USN
4703.5	170/75N	NQM	Midway Island	FA	1.0	USN
4703.6	USB	YV2TDT	Cristobal, Venezuela	FX	0.1	
4704.0	*USB	....	several, throughout Canada	FA/MA	1.0	RCAF (Usually CHR, "Trenton Military", Ont.; CJX, "St. Johns Military, Nfld.; DHM94, "Lahr Military", GFR & VXA, "Edmonton Military", Alta., Canada)
4704.8	FAX	....	unknown, apparently in North America	FA	...	
4705.0	CW	....	unknown, apparently in North America	FA	....
4707.0	USB	....	reported Bampton, England	FA	....	RAF
4707.0	USB	....	Buchan & Neansbead radar stations	FA	....	RAF
4709.0	850/...e	....	unknown	FX	....
4710.0	USB	....	reported Finhorn, Scotland	FA	....	RAF
4710.0	AM	↑....	Kuybyshev (Kurumoch), USSR	GS	....	VOLMET/RR
4711.0	USB	....	Cecil Field NAS, Jacksonville, FL	FA	....	USN
4716.0	850/...e	....	several, USA nationwide	FA	....	USN
4719.0	FAX	....	unknown, in the USA	FC	....	USN
4720.0	AM	↑....	Baku, USSR	FA	....	VOLMET/RR
4722.0	USB	MVU	West Drayton (Upavon AB), England	FA	5.0	RAF (Weather broadcasts almost continuously)
4723.0	CW	FTN	Paris (St. Assise), France	FA	....
4724.5	AM	↑....	Voronezh, USSR	FA	....	VOLMET/RR
4725.0	FAX	BAF30	Beijing, PRC	FX	2.0	Meteo
4725.0	CW	IDR	Rome Naval, Italy	FA	....	Italian Navy
4725.0	USB	....	numerous, worldwide	FA/MA	...	USAF/SAC (In-frequently used--sometimes called "VICTOR" frequency)
4726.0	425/...e	....	unknown	FA	....	USAF
4730.0	USB	JWT	Stavanger, Norway	FA	....	Norwegian AF
4730.0	USB	....	"Halifax Military", NS, Canada	FA	....	USAF
4730.0	USB	....	unknown	FA	....	RCAF
4730.0	USB	....	unknown	....	....

kHz	Mode	Call	Location	Service	kW	Remarks
4730.0	USB	GFW	"Cyprus Flight Watch", Cyprus	FA	....	RAF Meteo [00+30]
4730.0	USB	MKL	Pitreevie, England	FA	....	RAF
4732.0	RTTY	....	Tyamen, USSR	....	....
4732.0	USB	....	numerous, worldwide	FA/MA	...	USAF
4732.0	USB	"AF1"	"AIR FORCE ONE" (in-flight)	MA	....	USAF VIP a/c
4737.0	USB	....	"HERSHEY CONTROL", Key West NAS, FL	FA	....	USN
4737.0	USB	....	numerous, worldwide	FA/MA	...	USN
4739.0	....	CFH	Halifax, Canada	....	....	RCAF
4739.0	....	CJX	St. John's, Canada	....	....	RCAF
4739.0	USB	....	reported Bampton, England	FA	....	RAF
4739.0	CW	IBA	Naples Naval, Italy	FA	....	Italian Navy/NATO
4739.0	CW	YMB	Izmir Naval, Yurkey	FA	....	Turkist Navy/NATO
4740.0	USB	....	unknown	FX	....	Numbers/Bulgarian/OM
4741.0	AI*	....	Beijing, PRC	FX	2.0	XNA Nx 1330-2400
4742.0	USB	....	ARCHITECT (Upavon AB), England	FA	....	RAF
4742.0	USB	GFG	"Gibraltar Flight Watch", Gibraltar	FA	....	RAF
4744.1	USB	YWN77	Miranda, Venezuela	FX	0.1	
4745.5	USB	OYR	Egedesminde, Denmark	FG	0.5	
4745.5	USB	....	Berlin (Schoenefeld)			
4745.5	USB	....	numerous, around Greenland coast	FG/MA	...	Includes: OVC, Groen-
			nedal; OXF, Julianehaab; OXI, Godthaab; OYG, Mesters Vig;			
			OYJ, Umanak; OYN, Upernavik; XPE, Kulusuk; XPJ, Soendres-			
			troemf; etc.			
4746.0	USB	CUW	Lajes Field, Azores	FA/MA	...	USAF
4746.0	USB	AFE8	MacDill AFB, FL	FA/MA	..	USAF
4746.0	USB	AFI2	McClellan AFB, CA	FA/MA	...	USAF (May be
				used for SKY KING broadcasts)		
4749.6	850/50N	FDG	Bordeaux Air, France	FA	....	French AF
4744.1	USB	YWN77	Miranda, Venezuela	FX	0.1	
4745.5	USB	OYR	Egedesminde, Denmark	FG	0.5	
4745.5	USB	....	Berlin (Schoenefeld)			
4745.5	USB	....	numerous, around Greenland coast	FG/MA	...	Includes: OVC Groen-
			nedal; OXF, Julianehaab; OXI, Godthaab; OYG, Mesters Vig;			
			OYJ, Umanak; OYN, Upernavik; XPE, Kulusuk; XPJ, Soendres-			
			troemf; etc.			
4760.0	USB	CUW	Lajes Field, Azores	FA/MA	...	USAF
4746.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF
4746.0	USB	AFI2	McClellan AFB, CA	FA/MA	...	USAF (May be
				used for SKY KING broadcasts)		
4749.6	850/50N	FDG	Bordeaux Air, France	FA	....	French AF
4749.9 4750.0 - 4850.0 kHz — FIXED & TROPICAL BROADCASTING—(Shared)						
4750.0	AM	....	RADIO BEIJING, PRC	BC	....	Domestic Service
4752.0	USB	....	"Halifax Military", NS, Canada	FA/MA	...	C. Forces
4753.0	CW	FDE	Villacoublay Air, France	FX	1.0	French AF
4753.0	USB	HZY473	Dhahran, Saudi Arabia	FX	1.0	Control/Oil Rigs
4753.7	170/ARQ	....	unknown (says CLOSE ENUFF FER UVERMENWERK)			
4755.0	USB	XPJ81	St. Johns, NB, Canada	FX/MS	...	Canadian Shipping
4755.0	USB	....	Halifax, NS, Canada	FX/MS	...	Canadian Shipping
4759.0	....	....	Ionosonde beacon			
4760.0	LSB	....	several, throughout Italy	FX	....	Police
4760.0	F7B	↑RW75	Moscow, USSR	FX	15.0	Meteo
4760.0	USB	....	several, USA Nationwide	FX	....	USAF (Includes:
			AFE70, Patrick AFB, FL; AFF36, Tinker AFB, OK;			
			AFH32, Hill AFB, UT; etc.)			
4761.5	850/...e	....	numerous, USA nationwide	FX	....	USAF
4762.0	*F1B	IDR2	Rome Naval, Italy	FX	1.0	Italian Navy
4763.0	USB	....	.....	FX	....	RAF
4763.2	850/50R	NKW	Diego Garcia	FX	....	USN/wx to Mauritius
4764.0	..	3VU	Tunisia	FX	....
4767.4	USB	....	about planes to Halifax & Labrador			
4767.4	USB	....	"Halifax Flight" with YL says it's	OPERATIONS		
4770.0	USB	044	unknown	FX	....	Numbers/CC/YL
4770.0	F1B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/Nairobi
4770.0	425/50R	RCE52	Moscow, USSR	FX	15.0	Tfc
4770.0	AM	....	unknown	FX	....	NUMBERS/GG/YL
4772.0	850/...e	SHZ2	Stockholm, Sweden	FX	10.0	
4773.0	RTTY	3RJ6	Bangon Meteo, PRC	....	....	Tfc 3SU
4776.0	850/50N	FXN96	Noumea (Tontouta), New Caledonia	FX	....	Meteo (NOAA re-

kHz	Mode	Call	Location	Service	kW	Remarks
ports synoptic observations at 0015, 0615 & 1215)						
4777.5	FAX	IMB31	Rome, Italy	FX	....	Meteo (cont.)
4780.0	USB	VKC	Melbourne, Vic., Australia	FX	0.5	Police
4780.0	USB	f....	numerous, USA nationwide	FX	....	FEMA
4781.0	170/75Ne	....	numerous, USA nationwide	FX	....	FEMA
4782.0	FAX	GFE21	Bracknell, England	FX	5.0	Meteo (cont.)
4784.0	425/50R	6VY25	Dakar Aeradio, Senegal	AX	3.0	Meteo (NOAA re-
ports 24-hour forecast at 1200)						
4785.0	425/75Ne	....	Holzkirchen, GFR	FX	3.0	RFE/RL Control
4785.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	1.0	USN
4785.5	425/50R	DHJ85	Grenge, GFR	FX	....	GAF/Meteo
4785.5	CW	DHJ51	Grenge (German Forces) wx brdcsts	2130	DSWC16/83	
4785.5	850/...e	....	unknown	FX	....
4788.0	....	VSI8	Grand Turk	FX	....
4789.0	B9W	CSY	Santa Maria Aeradio, Azores	AX	10.0	Tfc/Lisbon
4789.0	USB	CON301	Havana, Cuba	FX	0.1	Net Control
4789.6	850/50R	MUY	Monchengladbach, GFR	FX	....	BAOR
4790.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
4791.0	RTTY	FUE	Brest Naval, France	FX	....
4792.0	CW	FDY	Orleans Air, France	FX	....	French AF
4792.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
4792.7	850/50N	OUJ22	Aarhus, Denmark	FX	....	NATO
4793.0	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	Meteo
4794.2	425/50R	BLM66	Chengdu, PRC	FX	....	Meteo
4796.0	CW	J5C23	Bissau, Guinea Bissau	FX	10.0	Tfc/Cape Verde
4798.6	USB	YVJ3	Maiquetia, Venezuela	FX	1.0	Tfc/El Caya
4800.0	B9W	CIF	Borden, Ont., Canada	FX	1.0	C. Forces
4800.0	AI*	....	Beijing, PRC	FX	2.0	XNA Nx CC 1300-2200
4800.0	CW	3MA28	Taipei, Taiwan	FX	0.3	
4802.5	FAX	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	15.0	USN/Meteo
4803.0	850/...e	....	unknown	FX	....
4804.0	CW	FDI	Aix-les-Milles Air, France	FX	....	French AF
4804.0	425/50N	ISZ48	Rome (Torrenova), Italy	FX	5.0	ANSA Nx FF
(Sundays, only) 1800-1830 & 2000-2100 (Not on Sundays)						
(Sundays, only) ANSA Nx EE 1830-1900						
[Directed to Northwest Africa]						
4805.0	*F1B	ONN30	Brussels, Belgium	FX	0.1	Swiss EMBASSY
4805.0	RTTY	....	Vivi Aero, USSR	FX	....
4805.0	CW	FDI	Aix-les-Milles Air, France	FX	....	French AF
4805.0	850/50Ne	FDX	Paris Air, France	FX	2.0	French AF
4805.0	850/50R	RCE53	Moscow, USSR	FX	15.0	
4805.0	850/...e	NAM	NAVCOMMSTA Norfolk, VA	FX	10.0	USN
4808.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
4809.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
4809.5	F1B	FIT	unknown	FX	....
4810.5	CW	....	unknown	FX	....	Meteo
4811.0	USB	ONY32	unknown	FX	....
4813.0	425/50R	LZA4	Sofia, Bulgaria LZA8 is announced	FX	2.0	Meteo
4813.5	USB	....	Agana (Barrigada NAS), Guam	FX	0.1	USCG/USN
[Emergency joint communications—"SIERRA" channel]						
4815.0	850/...e	VEE	St. Johns, Nfld., Canada	FX	10.0	C. Forces
4815.0	850/50R	TCY2	Ankara, Turkey	FX	....	AA Nx EE/FF/Turkist
1345-1630 [Non-directional]						
4818.0	170/ARQ	....	Tours, France	FX	....	Prefecture
4820.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	5.0	USN
4820.0	850/50N	CSZ	Lisbon Aeradio, Portugal	AX	2.0	HX
4820.0	1000/50R	RWV72	Leningrad, USSR	FX	15.0	Meteo
4825.0	LSB	C6Q51	Nassau, Bahamas	FX	0.2	Net Control
4826.0	USB	VCA77	St. Anthony, Nfld., Canada	FX	0.1	Net Control
4826.0	USB	....	several, offshore North America	FX	....	Oil Rigs
4830.0	F1B	IER20	Rome, Italy	FX	....	GUARFI
4832.0	USB	ZKS	Rarotonga, Cook Islands	FX	1.0	Net Control
4832.0	170/50R	DHJ49	Bonn, GFR	FX	....	GFR Army
4832.0	USB	AGALHA	Hanscom AFB, MA	FX	0.5	USAF/MARS
4835.0	850/50R	RWV50	Moscow, USSR	FX	15.0	Tfc
4837.5	*425/50N	OEQ35	Vienna, Austria	FX	1.0	INTERPOL
4837.5	*425/50N	ONA20	Brussels, Belgium	FX	3.0	"
4837.5	425/50N	OWS3	Copenhagen, Denmark	FX	0.2	"

kHz	Mode	Call	Location	Service	kW	Remarks
4837.5	425/50N	GMP	London (W. Wickham), England	FX	1.0	"
4837.5	170/50N	....	Helsinki, Finland	FX	1.0	"
4837.5	425/50N	FSB	Paris (St. Martin Abbat), France	FX	1.0	"
4837.5	*425/50N	DEB	Wiesbaden, GDR	FX	5.0	"
4837.5	425/50N	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
4837.5	425/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
4837.5	0/ARQ	EQ	Madrid, Spain	FX	5.0	"
4837.5	*425/50N	SHX	Stockholm, Sweden	FX	1.0	"
4837.5	425/50N	HEP47	Zurich (Waltikon), Switzerland	FX	3.0	"
4837.5	850/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	"
4839.1	CW	CSF36	Punta Delgada, Azores	FX	1.0	Port. AF
4839.1	CW	CSF37	Funchal, Madeira Islands	FX	3.0	" "
4839.1	CW	CSF46	Horta, Azores	FX	0.5	" "
4839.1	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	[LCMP3] USN/NUKO
4840.0	*F1B	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
4840.0	*425/50R	Y7A24	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
4840.0	CW	IAE85	Bolzano, Italy	FX	....	Carabinieri Net
4840.0	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
4842.7	CW	FDE6	Creil, France	....	....	FAF
4842.8	425/50N	GYU	Gibraltar Naval, Gibraltar	....	....
4843.0	CW	FDI3	Salon???	FX	....	French AF
4845.0	850/50R	RPA70	Tashkent, Uzbek SSR	FX	15.0	
4848.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
4848.0	170/50R	↑IEA20	Rome, Italy	FX	....	Italian Army
4850.0 - 4995.0 kHz — FIXED, MOBILE & TROPICAL BROADCASTING—(Shared)						
4850.0	425/66Rc	RCQ71	Iakutsk, USSR	FX	15.0	Meteo
4850.0	USB	....	several, southeastern USA	FX/MS	...	USACE/USCG Liaison
4850.0	FAX	....	unknown	....	....
4851.4	425/50N	IBA	Naples Naval, Italy	....	....
4855.0	USB	AFE70	"CAPE LEADER", Patrick AFB, FL	FX	10.0	USAF/NASA
4855.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	10.0	USAF/NASA
[Space Shuttle Support]						
4856.0	CW	L0L2	Buenos Aires, Argentina	FX	0.5	Argentinian Navy/ TIME SIGNALS (0100, 1300 & 2100)
4857.0	CW	FDY	Orleans Air, France	FX	....	French AF
4857.0	850/....	....	unknown	FX	....
4857.5	USB	....	Norwegian Sea & N. Atlantic LORAN Net	FX	..	USCG (Includes: DML, Sylt, GFR; JXL, B0, Norway; JXP, Jan Mayen Is.; NMS Shetland Is.; OUN, Ejde, Denmark; OVY, Angissog, Greenland; TFR, Sandur, Iceland & TFR2, Reykjavik, Iceland) [Alt: 7512.5]
4860.0	USB	VZ8SK	Katherine, NT, Australia	FX	1.0	School of the Air
4860.0	170/ARQ	FIT75	Paris, France	FX	....	Prefecture
4860.0	B8E	JBA44	Tokyo, Japan	FX	10.0	Telcom
4860.0	USB	....	Moscow, USSR	FX	....	Feeder to Bulgaria
4861.9	100/....	....	unknown	FX	....
4864.5	CW	FDC9	Nancy Air, France	FX	0.5	French AF
4865.0	USB	CFW	Vancouver, BC, Canada	FX	0.5	Telcom
4865.0	425/50R	FDY	Orleans Air, France	FX	2.0	French AF
4865.0	850/....	NPO	NAVCOMMSTA Luzon, Philippines	FX	15.0	USN
4867.5	CW	FDG	Bordeaux Air, France	FX	0.5	French AF
4870.0	...	....	Cotonou, Benin	FX	....
4870.0	USB	....	several, in England	FX	0.5	RAF
4870.5	850/50N	ONY27	Rouveroy, Belgium	FX	....	NATO
4872.0	USB	AGA2LA	Langley AFB, VA	FX	1.0	USAF/MARS
4873.5	USB	IBA	Naples Naval, Italy	FX	....	Italian Navy/NATO
4873.5	USB	IBH	Vicenza Naval, Italy	FX	....	Italian Navy/NATO
4873.5	USB	YMB	Izmir Naval, Turkey	FX	....	Turkist Navy/NATO
4875.0	850/....	....	unknown	FX	....
4877.0	RTTY	....	Copenhagen, Denmark	FX	....	GDR Embassy
4880.0	USB	VJN	Cairns, Qld., Australia	FX	....	Outpost Control
4880.0	USB	VKJ	Meekatharra, WA, Australia	FX	....	School of the Air
4880.0	850/....	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	10.0	USN
4880.0	425/50R	....	Copenhagen, Denmark	FX	....	GDR EMBASSY
4880.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	2.0	British Navy
4880.0	425/50R	Y7A25	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
4880.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
4880.0	CW	KKN50	Washington, DC	FX	....	EMBASSY
4882.0	USB	....	several, on/offshore NS/Nfld.	FX/MS	...	Canadian Fishing
4882.0	CW	FDE4	Bourges Air, France	FX	....	French AF
4882.5	USB	DFT89	Deutsche Sportverlag	FX	....	RCDXC#1'84 says DFD89
4883.0	USB	XNZ583	St. Johns, Nfld., Canada (Also includes: XNZ585, Bernard River, Nfld. & XNZ584, Tote River, Nfld.; etc.)	FX	0.1	Net Control
4883.0	USB	....	Northwest Pacific LORAN Net NRT "Yokota Monitor", Japan; NRT3, Iwo Jima; NRV, Barrigada, Guam; NRV6, Marcus Is. & NRV7, Yap Island) [Alt: 5300.0 & 7580.0]	FX	....	USCG (Includes:)
4883.1	850/...e	....	unknown	FX	....
4885.0	170/75N	NRV	COMMSTA Barrigada, Guam	FX	1.5	USCG
4885.0	425/50R	YIW21	Baghdad, Iraq	FX	1.0	Meteo
4885.7	CW	"N2S"	unknown, probably within USA	FX	....	Coded Tfc
4886.0	CW	FDC	Metz Air, France	FX	....	French AF
4886.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
4888.4	USB	XJP26	unknown, probably NS, Canada	FX/MS	...	Canadian Fishing
4890.0	425/50R	BJZ26	Wuhan, PRC	FX	....	Meteo
4893.0	425/50R	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
4893.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 4903.0]
4894.0	CW	....	unknown	FX	....	Coded Tfc
4897.0	RTTY/75	FAD58	Tours, France	FX	....	French Army
4900.0	*F1B	†OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
4900.0	425/50R	RUU78	Leningrad, USSR	FX	20.0	Meteo
4900.0	850/50R	RPA71	Tashkent, Uzbek SSR	FX	15.0	
4902.0	FAX	JMB40	Tokyo (Fusa), Japan	FX	0.5	Meteo
4902.0	850/50N	JMB40	" " "	FX	0.5	
4902.0	425/50R	SOE290	Warsaw, Poland	FX	10.0	
4902.5	CW	IEM21	Palermo, Sicily, Italy	FX	....	Italian Army
4903.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
4903.0	850/50N	DHJ85	Grengel, GFR	FX	....	GAF/Meteo
4903.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 4893.0 & 5181.0]
4905.0	850/50R	RG075	Khabarovsk, USSR	FX	15.0	Meteo
4905.0	CW	"KFU"	unknown	FX	....	vy fast keying
4905.8	CW	FDY	Orleans Air, France	FX	....	French AF
4907.5	CW	....*	several, throughout France	FX	....	French AF
4910.0	USB	....	unknown, probably in Canada	FX	....	Net
4910.0	CW	KW578	Athens Greece	FX	1.0	USA EMBASSY
4910.0	850/50R	RNK34	Moscow, USSR	FX	15.0	Tfc
4912.0	425/59R	SOE291	Warsaw, Poland	FX	10.0	
4914.0	CW	FDG2	Bordeaux Air, France	FX	....	French AF
4914.5	CW	.....	Mont de Marsan Air, France	FX	....	French AF
4914.8	425/...e	....	unknown	FX	....
4915.0	USB	CHS41	Cree Lake, Sask., Canada	FX	0.5	Telcom
4915.0	425/66R	5TX	Nouadhibou Aeradio, Mauritania	AX	1.0	Tfc/Nouakchott
4918.5	CW	FDI	Aix les Milles Air, France	FX	....	French AF
4920.0	425/50R	BJZ74	Wuhan, PRC	FX	1.0	Meteo
4920.0	850/...e	....	unknown	FX	....
4921.0	CW	FDC	Metz-Frescaty, France	....	....	FAF
4922.0	425/50R	....	Beijing, PRC	FX	5.0	XNA
4923.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
4923.0	CW	"Y91U"	unknown, probably GDR			
4925.0	B9W	AIC	Clark AB, Philippines	FX	20.0	USAF
4926.0	425/50R	OEO24	Vienna, Austria	FX	10.0	Tfc
4930.0	425/50R	BJY23	Wuhan, PRC	FX	1.0	Tfc/Guangzhou
4932.0	170/50R	DHJ49	Bonn, GFR	FX	....	GFR Army
4932.0	425/50R	SOE293	Warsaw, Poland	FX	20.0	
4936.0	170/...e	....	unknown	FX	....
4938.0	425/75R	YZG5	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/Moscow
4940.0	USB	ZKRG	Rarotonga Aeradio, Cook Islands	AX	0.1	Tfc/Auckland
4940.0	CW	FDC	Metz Air, France	FX	....	French AF
4940.0	USB	ZKAK	Auckland Radio, New Zealand	AX	5.0	Tfc/Norfolk Is.
4940.0	USB	....	Norfolk Island Radio, Australia	AX	0.1	Tfc/Auckland
4941.5	*425/50R	BGW88	Chengdu, PRC	FX	1.0	Meteo
4942.0	CW	FDY	Orleans Air, France	FX	2.0	French AF
4945.0	425/50R	SOE294	Warsaw, Poland	FX	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
4945.0	425/50N	....	unknown, probably GDR	FX	....	Meteo, Wx, DD
4946.8	F7B	RHC5	Vladivostok, USSR	FX	60.0	
4950.0	425/50R	SWA	Athens Aeradio, Greece	AX	1.5	[GEC] Tfc/Cairo
4952.0	USB	....	unknown	FX	....	Net
4954.0	425/50R	BUA55	Wulumuqi, PRC	FX	5.0	XNA
4955.0	CW	NPN	NAVCOMMSTA Agana, Guam	FA	5.0	[GCMP] USN
4956.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....
4957.5	RTTY	FDY	Orleans, France	FX	....	FAF
4958.0	850/....e	....	unknown	FX	....
4962.0	425/50R	SOE296	Warsaw, Poland	FX	10.0	
4962.0	.../50	DHN37	unknown	....	....
4963.0	USB	VCB513	Halifax, NS, Canada	FX	0.1	Telcom
4963.0	USB	VCB901	Fredericton, NB, Canada	FX	0.1	Telcom
4963.0	850/50N	DHJ85	Grenfell, GFR	FX	....	GAFF/Meteo
4966.0	CW	LGV	Vardoe, Norway	FC	....	Tfc
4970.0	425/50N	LRB20	Buenos Aires, Argentina	FX	5.0	Tfc/La Paz
4974.0	CW	....	several, France nationwide	FX	....	GNF
4975.0	FAX	NPN	NAVCOMMSTA Agana, Guam	FC	15.0	USN/Meteo
4975.0	FAX	NAM	NAVCOMMSTA Norfolk, VA	FC	40.0	USN/Meteo
4975.0	850/....e	....	numerous, worldwide	FX	....	USN
4977.0	850/50R	SOE297	Warsaw, Poland	FX	10.0	PAP
4980.0	USB	VJJ	Charleville, Qld., Australia	FX	....	School of the Air
4982.0	USB	XMH356	Dartmouth, NS, Canada	FX/MS	1.0	Canadian Fishing
4982.0	850/....e	NBA	NAVCOMMSTA Balboa, Panama	FX	5.0	USN
4985.0	USB	....	KILGORE clg ANCHOR MAN seems to call this freq			ALFA ONE
4985.0	425/....e	....	unknown	FX	....
4990.0	USB	931	unknown	FX	....	Numbers/CC/YL
4991.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	5.0	British Navy
4992.0	USB	....	several, on/offshore NS/Nfld.	FX/MS	...	Canadian Fishing
4992.0	425/50N	ISZ49	Rome (Torrenova), Italy	FX	5.0	ANSA Nx
4992.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	3.0	USAF/NASA
			Shuttle Support			[Alt: 5870.0]
4992.0	CW	"KCU"	unknown	FX	....	KCU KCU QSA?
4993.0	CW	DHJ48	Kindsback, GFR (AM says Ramstein AB)	FX	....	NATO
4993.0	CW	IBH	Vicenza Naval, Italy	FX	....	Italian Navy/NATO
4993.5	A3A	ATA55	New Delhi, India	FX	8.0	Meteo
4995.9	4995.0 - 5003.0 kHz	STANDARD FREQUENCY & TIME SIGNALS				
4996.0	CW	RWN	Moscow, USSR	SS	5.0	TIME SIGNALS
5000.0	A2	PPE	Rio de Janeiro, Brazil	SS	1.0	" "
5000.0	AM/CW	BPM	Xian, PRC	SS	15.0	" "
5000.0	A2	HD210A	Guayaquil, Ecuador	SS	....	" "
5000.0	A2	MSF	Teddington, England	SS	0.5	" "
5000.0	A2	WWVH	Kauai, HI	SS	10.0	" "
5000.0	A2	ATA	New Delhi, India	SS	8.0	" "
5000.0	CW	IAM	Rome, Italy	SS	1.0	" "
5000.0	A2	IBF	Turin, Italy	SS	5.0	" "
5000.0	A2	LOL	Buenos Aires, Argentina	SS	2.0	" "
5000.0	A2	JJY	Tokyo (Sanwa, Ibaraki), Japan	SS	2.0	" "
5000.0	A2	ZUO	Pretoria, RSA	SS	4.0	" "
5000.0	A2	BSF	Chung-Li, Taiwan	SS	5.0	" "
5000.0	CW	RCH	Tashkent, USSR	SS	1.0	" "
5000.0	AM/A2	WWV	Ft. Collins, CO	SS	10.0	" "
5002.9	5003.0 - 5005.0 kHz	STANDARD FREQUENCY/TIME/SPACE RESEARCH				
5004.0	A2	RID	Irkutsk, USSR	SS	1.0	TIME SIGNALS
5004.9	5005.0 - 5060.0 kHz	FIXED SERVICE & TROPICAL BROADCASTING (shared)				
5005.0	850/75Re	....	unknown	FX	....
5010.0	USB	VJQ	Kalgoorlie, WA, Australia	FX	....	School of the Air
5010.0	CW	OVG	Fredrikshaven Naval, Denmark	FX	....	Danish Marine
5010.0	CW	FDY4	Orleans Air, France	FX	0.5	French AF
5010.0	CW	FDY5	Aix les Milles Air, France	FX	0.5	" "
5010.0	CW	OVC	Groennedal Naval, Greenland	FX	1.2	Danish Marine
5012.5	170/50R	OLC8	Prague, Czechoslovakia	FX	3.0	Tfc
5013.2	850/50R	RPTI	Ponta Delgado Naval, Azores	FX	....	?? Navy
5013.2	850/50R	RBSL	Bombay Naval, India	FX	....	Indian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
5013.5	FAX	....	unknown, probably in NA	FX	....
5014.0	850/...E	....	unknown	....	....
5014.0	USB	GZU	Portsmouth (Petersfield), England	FX	1.0	British Naval Air
5014.0	170/...e	....	unknown	FX	....
5015.0	AM	....	unknown	FX	....	Number/CC/YL
5015.0	850/50R	RLA53	Moscow, USSR	FX	15.0	TASS
5015.0	LSB	WUB4	Baltimore, MD	FX	....	USACE Net Control
5015.0				(Callup Monday/1300) [Alt: 5400.0] (May be referred to Channel 7))		
5015.0	USB	"PN"	unknown	FX	....	NUMBERS/GG/YL/5
5016.0	USB	....	unknown MOBILE ONE + someone reading numbers			
5016.2	CW	†CTV25	Monsanto Naval, Portugal	FX	3.0	Port. Navy
5017.5	170/50*	MKG	London (Stanbridge), England	FX	....	DCN
5017.5	170/ARQ	....	unknown	FX	....
5019.5	USB	....	numerous, throughout the GFR	FX	....	Police
5020.0	170/50N	....	Paris, France	FX	0.4	Net Control
5020.0	425/50R	A9M2Ø	Manama, Bahrain	FX	10.0	
5020.0	850/50N	JAA32	Tokyo, Japan	FX	25.0	
5020.0	USB	....	several, USA nationwide	FX	....	USAF (Includes: AFF7, Davis-Monthan AFB, AZ; AFG6, Ellsworth AFB, SD & AFG8, Malstrom AFB, MT)
5020.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
5020.2	425/50R	RWW74	Moscow, USSR	FX	20.0	Meteo
5021.5	CW	FDE8	Doullens Air, France	FX	0.5	French AF
5021.0	USB	....	unknown, Feeder VOA	FX	....
5022.5	850/50Ne	CHO	St. Hubert, PQ, Canada	FX	1.0	C. Forces
5022.5	250/45Ne	CHO	" " " "	FX	1.0	C. Forces
5023.0	425/50N	9KT24	Huban, Kuwait	FX	1.0	KUNA Nx EE 1200-1900
5023.5	....	.../.	unknown	FX	....	carrier only
5025.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
5026.0	USB	....	several, USA nationwide	FX	1.0	USAF (Inc- cludes: AFC24, Westover AFB, MA; AFG11, Warren AFB, WY; AFH39, March AFB, CA; AFS, Offutt AFB, NE; etc.)
5026.5	CW	FDE4	Bourges Air, France	FX	0.5	French AF
5027.0	425/50N	9KT24	Huban, Kuwait	FX	1.0	KUNA Nx AA 1400-1700
5027.5	425/50R	OLC7	Prague, Czechoslovakia	FX	20.0	CTK Nx EE 1700-1800 2100-2130 (1730-1830, Sundays, only) [Non-directional]
5030.0	170/50N	....	Paris, France	FX	0.4	Net Control
5030.0	850/50R	....	unknown, Europe	FX	....	Polish language tfc.
5031.5	USB	XL1334	Profisher Bay, NWT, Canada	FX	0.1	Net Control
5032.0	850/50N	CAN6D	Punta Arenas (Montalva) Naval, Chile	FX	....	Chilean Navy/Meteo
5033.0	CW	....	unknown, probably in the USA	FX	....	Coded Tfc
5035.0	USB	....	several, probably in PQ, Canada	FX	....	Net
5035.0	USB	....	"St. Johns Military" wrong frequency set up 10 MHz off			
5035.0	850/50Ne	GYU	Gibraltar Naval, Gibraltar	FX	10.0	British Navy
5035.0	425/50N	IRC2Ø	Rome (Torrenova), Italy	FX	5.0	ANSA Nx FF (Sundays, only) 1800-1830 & (Not on Sundays) 2000-2100 ANSA Nx EE
5035.0	LSB	FJD251	Papeete, Tahiti	FX	0.1	Meteo/Control
5037.0	850/50N	HVA	Vatican City, Vatican	FX	8.0	Tfc/Berne
5037.5	FAX	KVM7Ø	Honolulu (International), HI	FX	10.0	Meteo (2315-0106)
5037.6	850/50N	†RPFN	Monsanto Naval, Portugal	FX	....	Port. Navy
5038.0	CW	FDC21	Drachenbronn Air, France (GFR??)	FX	....	French AF
5038.0	CW	FDY	Orleans Air, France	FX	....	French AF
5040.0	850/...e	....	Paris Air, France	FX	2.5	French AF
5040.0	850/50R	RID21	Irkutsk, USSR	FX	15.0	Tfc
5041.0	850/50N	"CMB"	unknown	FX	....	NATO
5043.0	850/50N	ONY27	Rouveroy, Belgium	FX	....	Belgium Army/NATO
5046.4	RTTY	PAC27	Katwijk Naval, Netherlands	FX	....	Dutch Navy
5048.5	425/50R	YOF3Ø	Cornetu, Rumania	FX	2.0	Tfc/Berlin, GDR
5052.5	850/...e	....	numerous, USA nationwide	FX	....	USN
5053.0	850/50R	YRG	Cluj Aeradio, Rumania	AX	....
5053.9	425/...e	....	unknown	FX	....	Idling
5055.0	425/50N	JYF6	Amman, Jordan	FX	5.0	JNA [Non-directional]
5055.5	USB	C6L22	Nassau, Bahamas	FX	0.2	Net Control
5058.0	CW	COZ67	apparently in Cuba	FX	....	Russian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
5059.9			5060.0 - 5450.0 kHz — FIXED SERVICE & LAND MOBILE SERVICE			
5060.0	USB	VCA388	Lower Lahave, NS, Canada	FX/MS	...	Canadian Fishing
5060.0	USB	CJW31	unknown, probably in NS, Canada	FX	....
5060.0	CW	↑D4B62	Sal Aeradio, Cape Verde	AX	1.5	Aero Tfc
5060.0	AM	....	RADIO PAKISTAN, Islamabad, Pakistan	BC	100.0	Domestic Service
5061.0	170/50N(e)	....	unknown	....	....	RYRY, encrypted
5061.0	850/50N	↑ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	
5062.0	170/....	....	unknown	FX	....	USN
5062.5	850/....	....	numerous, worldwide	FX	....	USN
5063.0	425/50R	BAQ27	Beijing, PRC	FX	5.0	Tfc/Hanoi
5063.0	425/50R	SOF206	Warsaw, Poland	FX	20.0	
5063.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; NRO5, Upolu Point, HI & NRO7, Kure Island [Ocean Is.], HI) [Alt: 7473.0]
5063.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 5315.5]
5065.0	USB	....	Alice Springs, NT, Australia	FX	0.1	Tfc/Darwin
5065.0	USB	....	Darwin, NT, Australia	FX	0.1	Tfc/Alice Springs
5065.0	850/75R	NGR	NAVCOMMSTA Nea Makri, Greece	FX	....	USN
5065.0	AM	....	MI svc, Petrozavodsk	BC	10.0	Domestic Service
5066.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: AOB50, Estartit, Spain; NCI, Sella Marina, Italy; NCI3, Lampedusa, Italy, NCI4, Laragaburun Turkey & NCI10, Rhodes) [Alt: 5123.0]
5066.1	850/50N	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	[RMA] Tfc/Uruguay
5066.5	USB	....	Papeete Radio, Tahiti	AX	0.2	Net Control
5067.0	B8E	↑9VF283	Singapore, Singapore	FX	8.0	Telcom/Brunei
5067.0	170/....	....	unknown	FX	....
5068.0	USB	AFG40	Colorado Springs, CO	FX	1.0	USAF
			(NORAD backup link to Canada)			
5068.5	USB	....	unknown	....	....
5069.0	850/....	....	unknown	FX	....
5070.0	B9W	CSF461	Angra do Heroismo, Azores	FX	0.5	Port. AF
5070.0	B9W	CSF462	Horta, Azores	FX	0.5	" "
5070.0	B9W	CSF37	Funchal, Madeira Islands	FX	0.5	" "
5070.5	F1B	ONN45	Brussels, Belgium	FX	0.5	Austrian EMBASSY
5071.0	USB	NAM	NAVCOMMSTA Norfolk, VA	FC	3.0	USN
5071.2	850/....	....	unknown	FX	....
5072.5	B9W	9VF6	Singapore, Singapore	FX	8.0	Tfc/Hong Kong
5073.0	850/....	VEX	unknown, undoubtedly in Canada	FX	....	C. Forces
5073.0	425/50N	HBS35	Berne, Switzerland	FX	7.0	
5073.5	USB	....	several, around Persian Gulf	AX	....	Aero Tfc
5075.0	USB	XOU501	Eldorado, Sask., Canada	FX	0.2	Net Control
5075.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	10.0	Domestic Service
5075.0	AM	....	RADIO SUTATENZA, Bogota, Colombia	BC	25.0	Domestic Service
5075.0	425/50R	SOF207	Warsaw, Poland	FX	10.0	
5075.0	AM	....	unknown	FX	....	NUMBERS/YL/SS
5076.0	850/....	....	unknown	FX	....
5077.5	425/50R	FDX	Paris Air, France (RFFVA)	FX	2.0	French AF
5079.0	170/50R	IET83	Rome, Italy --RIFAN--	FX	....	tfc. to RIFANC
5080.0	850/50R	RLB23	Moscow, USSR	FX	20.0	Tfc/Budapest
5080.0	USB	....	Channel Island Harbor Station, Navy Point Mugu, CA	FX	....	USCG/USN ["Plead Control"]
5080.0	850/....	....	numerous, worldwide	FX	....	USN
5080.1	170/50R	....	RIFARF, RIFAJF & RIFAIC			
5081.0	850/75Ne	ZLK33	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
5081.0	B8E	5UR80	Niamey, Niger	FX	2.0	Telcom
5081.5	850/50N	HSD22	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Calcutta
5083.5	USB	C6Y42	Nassau, Bahamas	FX	0.2	Net Control
5084.0	850/....	FUF	Fort de France Naval, Martinique	FX	2.0	French Navy
5085.0	CW	ZVN3	Belem Aeradio, Brazil	AX	3.0	Aero Tfc
5085.0	CW	FIT75	Prefecture Paris, France	....	....
5087.0	USB	RCH	unknown	FX	....	Meteo
5087.1	170/50R	"M22T"	unknown	FX	....
5089.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
5089.0	425/....	....	unknown	FX	....
5090.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Taiwan Service

kHz	Mode	Call	Location	Service	kW	Remarks
5090.0	AM/USB	134	unknown	FX	....
5090.0	850/...e	NPO	NAVCOMMSTA Luzon, Philippines	FX	1.0	USN
5090.0	FAX	....	Tashkent, Uzbek SSR	FX	....	Meteo
5091.0	USB	....	unknown	....	....	LETTERS/EE/YL
5091.0	USB	RCV2	unknown	FX	....	FF vm
5093.0	FAX	LZA8	Sofia, Bulgaria	FX	....	Meteo (0430-1110)
5093.8	850/45N	VEV	Valcartier, PQ, Canada	FX	1.0	C. Forces (Clg CIP)
5093.8	850/...e	....	unknown	FX	....
5095.0	AM	....	RADIO SUTATENZA, Bogota, Colombia	BC	50.0	Domestic Service
5097.0	CW	CFH	Maritime Command, Halifax, NS, Canada	FX	10.0	C. Forces/NAWS
5097.5	425/50R	JAB35	Tokyo, Japan	FX	5.0	KYODO Nx EE
			(Not on Sundays) 0830-0950 & (Daily) 1000-1100			
			(Not on Sundays) J1J1 Nx EE 1220-1500			
			DPA Nx EE 1500-1900			
			[Directed to the PRC & South Korea]			
5098.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
5100.0	FAX	AXM32	Canberra, ACT, Australia	FX	10.0	Meteo
5100.0	850/50R	AXM32	" " "	AX	5.0	[AMMC] Meteo
			Sked: 30 minutes after each hour except at 1000, 1100, 1800, 1900, 2000, 2100 & 2200 when period is reduced to 15 minutes			
5102.5	850/50R	JMG2	Tokyo, Japan	FX	2.0	[JMG] Meteo
5107.0	425/50R	EPD	Teheran Aeradio, Iran	AX	....	[TKA] Tfc/Kabul
5108.0	850/50N	MYP	Prestwick Aeradio, England	AX	1.0	Tfc/Shannon
5109.2	CW	....	unknown	FX	....	VVV's
5110.0	USB	VJ1	Mount Isa, Qld., Australia	FX	....	RFDS
5110.0	850/75N	TONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
5110.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
5110.0	FAX	RYP29	Khabarovsk, USSR	FX	15.0	Meteo
5110.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes: AFG6, Ellsworth AFB, SD; AFG8, Malstrom AFB, MT; AFH39, March AFB, CA; etc.)
5112.0	425/75N	40C3	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx Serbo-Croat 0700-2300
5113.2	850/75N	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
5113.5	USB	MKT	London (Stanbridge), England	FX	3.0	DCN
5115.0	RTTY	RBH78	Kharkov, USSR	....	....	tfc to RVV
5116.0	425/50N	....	unknown	....	....	Ser. groups letters & #'s
5116.5	F7B	RQQ7	Stavropol, USSR	FX	60.0	
5117.0	FAX	....	Taipei, Taiwan	FX	....	CNA Pix 0200-0500 Pix 0800-1530
5117.5	850/50N	MEG	Rheindahlen, GFR	FX	....	BAOR
5118.0	F1B	....	Dhaka Aeradio, Bangladesh	AX	0.4	Tfc/Rangoon
5120.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
5122.0	425/50R	BHE21	Shanghai, PRC	FX	2.0	Tfc/Chengdu
5123.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI4, Karagabun, Turkey & NCI10, Rhodes) [Alt: 6943.5]
5123.5	CW	FDY	Orleans Air, France	FX	2.0	French AF
5124.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
5125.0	850/50R	LZD3	Sofia, Bulgaria	FX	....	Meteo
5125.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	100.0	Taiwan Service
5125.0	CW	P6Z	Paris, France	FX	2.0	EMBASSY
5125.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5125.0	F7B	RUF	Odessa, Ukrainian SSR	FX	25.0	
5127.0	RTTY	RQFAC	Flamlnne, Belgium	FX	....	Belgian Army
5127.0	FAX	†5YE4	Nairobi, Kenya	FX	10.0	Meteo
5128.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
5128.5	425/50R	IRC21	Rome (Torrenova), Italy	FX	3.0	ANSA
5130.0	425/50R	SOF213	Warsaw, Poland	FX	10.0	
5132.0	850/50R	ODD20	Beirut, Lebanon	FX	3.0	Tfc
5133.0	425/45Ne	KAA60	Grand Island, NE	FX	2.5	FCC
5133.4	USB	....	numerous, USA nationwide	FX	....	FEMA
5134.0	F1B	†GIR25	London (Dorchester), England	FX	30.0	
5135.0	425/50N	Y2F	Berlin (Nauen), GDR	FX	20.0	Tfc/Beijing
5135.0	425/50R	5TY	Nouakchott Aeradio, Mauritania	AX	1.0	Tfc/Nouadhibou
5137.0	850/50R	LZL2	Sofia, Bulgaria	FX	....	Meteo
5137.5	CW	F1Y3	Orleans Air, France	FX	2.0	French AF
5138.0	CW	"CFM"	unknown, undoubtedly in NA	FX	....	Coded Tfc
5138.4	LSB	....	numerous, USA nationwide	FX	....	FEMA

kHz	Mode	Call	Location	Service	kW	Remarks
5139.9	525/100Rc	....	unknown	FX	....
5140.0	1000/50N	RWW73	Moscow, USSR	FX	15.0	Meteo
5145.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost/Control
5145.0	USB	VNZ	Port Augusta, SA, Australia	FX	....	RFDS
5145.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
5145.6	F7B	UFES	Tambov, USSR	FX	60.0	
5148.0	CW	RW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
5148.5	425/50R	YOF41	Feleacu, Rumania	FX	1.0	Tfc/Warsaw
5150.0	USB	3BP21	Port Louis, Mauritius	FX	0.1	Tfc/3BP31
5150.0	USB	3BP31	Port Mathurin, Rodrigues	FX	0.1	Tfc/3BP21
5150.0	F7B	RV073	Moscow, USSR	FX	20.0	
5150.3	FAX	RV073	Moscow, USSR	FX	20.0	Meteo
5153.0	425/50R	ODT	Beirut Aeradio, Lebanon	AX	4.0	Tfc/Teheran
5154.0	850/75N	"4UC9"	unknown, possible tactical	FX	....
5155.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	5.0	USN
5158.5	425/50R	HBT35	Berne, Switzerland	FX	7.0	Tfc
5160.0	F7B	CLN21	Havana (Bauta), Cuba	FX	50.0	Tfc/Moscow
5160.0	CW	FDI	Aix les Milles Air, France	FX	....	French AF
5160.0	170/50N	IEA20	Rome, Italy	FX	0.5	Italian Army
5160.0	850/50N	IER20	Rome, Italy	FX	....	IFG
5160.0	850/...e	....	several, Pacific Ocean area	FX	....	USN
5160.0	425/...e	....	unknown	FX	....	Idling
5163.0	USB	....	Madang Radio, Papua New Guinea	AX	0.1	
5163.0	AM	....	broadcaster here in CC	....	....	CPBS2, PRC
5166.0	650/50R	YMB	Izmir Naval, Turkey	FX	....	Turkist Navy/NATO
5167.0	CW	NRK	NAVCOMMSTA Keflavik, Iceland	FX	2.5	USN/NOAA reports
5167.0			wx broadcasts at 0030, 0630, 1230 & 1900/Ice at 0500 & 1700			
5167.0	F1B	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....
5167.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
5167.5	USB	KPI29	unknown	FX	....
5170.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
5172.0	USB	....	unknown	FX	....	Telcom/SS
5172.5	170/75N	SMA5	Stockholm, Sweden	FX	2.5	Meteo (NOAA re-
5172.5			ports wx forecasts for northern Europe at 0840, 1140 & 2040)			
5174.0	LSB	....	unknown, USSR	....	....	RR, counting
5174.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
5175.0	LSB	ZUD214	Pretoria (Olifantsfontein), RSA	FX	45.0	Telcom
5176.0	170/...e	....	unknown	FX	....
5177.0	FAX	....	unknown	FX	....
5180.0	USB	VKA	Adelaide, SA, Australia	FX	....	Police
5180.0	500/50N	BAA	RYRY2/4/9/21/23/25			
5180.0	425/50R	BBB	Tianjin, PRC	FX	5.0	Meteo
5180.0	F7B	RGAS1	Khabarovsk, USSR	FX	20.0	TASS Feed to XNA
			[One channel is XNA--second channel is for telegrams]			
5181.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY
5184.0	170/50R	HZJ	Jeddah Aeradio, Saudi Arabia	AX	1.0	Tfc/Amman
5184.0	850/50R	ZZA	Harare Aeradio, Zimbabwe	AX	4.0	Tfc/Jo'Burg
5185.0	FAX	LRO	Buenos Aires, Argentina	FX	....	Meteo
			(0300, 1600, 1900 & 2000)			
5185.0	850/50R	LR069	Buenos Aires, Argentina	FX	....	Meteo
5185.0	B8E	TJF51	Douala, Cameroon	FX	6.0	Tfc/Cotonou
5185.3	F1B	PPN9	Brasilia, Brazil	FX	....	Meteo
5185.5	425/50R	CNM2	Rabat (Tangier), Morocco	FX	10.0	MAP
			[Beamed to Central America]			
5187.0	CW	†FLR26	Metz, France	FX	....	French Army
5190.0	CW	SXH3	Souda, Crete, Greece	FX	....	Greek Navy
5190.0	425/50N	BZC75	Wulumuqi, PRC	FX	1.0	Meteo
5190.0	CW	IER27	Venezia, Italy	FX	....	Guarfi
5190.0	USB	....	someone giving Gander/Argentina wx			
5190.4	USB	....	numerous, USA nationwide	FX	....	FEMA
5192.0	CW	†CSO	unknown	FX	....	VVV's
5193.4	LSB	....	numerous, USA nationwide	FX	....	FEMA
5195.0	LSB	DFE25	Frankfurt (Bonames), GDR	FX	20.0	DW Feeder
5195.0	CW	RMP	Kaliningrad, USSR	....	....	News
5195.0	USB	IBH	Vicenza, Italy	FX	....	Italian Navy/NATO
5197.0	USB	AFA2	Andrews AFB, MD	FX	3.0	USAF
5198.0	170/...e	....	unknown	FX	....
5201.0	425/75N	ZLZ6	Himatangi Naval, New Zealand	FX	4.0	RNZ Navy
5204.0	CW	†OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
5205.0	*425/50R	BLM66	Chengdu, PRC	FX	2.0	Meteo

kHz	Mode	Call	Location	Service	kW	Remarks
5205.0	USB	KUP65	Dalap, Majuro Atoll	FX	1.0	Used on request
5205.0	USB	KUP66	Param, Ponape Island	FX	1.0	" " "
5205.0	USB	KUP67	Moen, Truk Islands	FX	1.0	" " "
5205.0	USB	KUP68	Korak, Palau Islands	FX	1.0	" " "
5205.0	USB	KUP69	Nif, Yap Islands	FX	1.0	" " "
5205.0	USB	KUP71	Kobler, Saipan, Mariana Islands	FX	1.0	" " "
5205.0	USB	KUP72	Shinaparnu, Rota Is., Mariana Is.	FX	1.0	" " "
5205.0	850/75R	†"CMB""	unknown	FX	....	NATO
5205.2	675/50R	....	several, in Caroline Islands	AX	....	Aero/Meteo
5206.0	425/50N	FTF20	Paris (Vernon), France	FX	2.0	Tfc/Cairo
5206.0	FAX	NGR	NAVCOMMSTA Nea Makri, Greece	FX	20.0	USN/Meteo [2000-0800]
5207.0	CW	FDG	Bordeaux, France	FX	....	French what?
5208.0	425/50N	ONA20	Brussels, Belgium	FX	3.0	INTERPOL
5208.0	425/50N	OWS3	Copenhagen, Denmark	FX	0.2	"
5208.0	*F1B	OEQ36	Vienna, Austria	FX	1.0	"
5208.0	425/50N	GMP	London (W. Wickham), England	FX	1.0	"
5208.0	*170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
5208.0	425/50N	DEB	Wiesbaden, GFR	FX	20.0	"
5208.0	425/50N	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
5208.0	CW	HEP52	Zurich (Waltikon), Switzerland	FX	3.0	"
5210.0	170/ARQ	FIT576	Rouen Prefecture, France	FX	....	Police
5211.0	USB	....	numerous, USA nationwide	FX	....	FEMA
5212.5	CW	....	Paris (Vernon), France	FX	1.0	
5214.0	F1B	†FDY	Orleans Air, France	FX	....	French AF
5214.9	CW	....	hand keyed tfc abt fuel tons, trips, etc.			
5215.0	USB	CFX82	Whitehorse, YT, Canada	FX	0.4	Net Control
5215.0	USB	4Q029	Colombo (Kotugoda), Sri Lanka	FX	10.0	Telcom
5216.5	CW	WAR	Washington, DC	FX	....	US Army
5217.0	USB	C6Q89	Nassau, Bahamas	FX	0.1	Net Control
5217.0	850/...e	FUV	Djibouti Naval, Djibouti	FX	2.5	French Navy
5217.0	850/75R	FUO	Toulon Naval, France	FX	....	" " RFFLOM
5217.0	850/...e	FUJ	Noumea Naval, New Caledonia	FX	2.5	" " "
5220.0	425/50R	SUA94	Cairo, Egypt	FX	2.5	MENA Nx AA 0600-end [Non-directional]
5220.0	170/75R	DMK260	Warsaw, Poland	FX	0.3	GFR EMBASSY
5222.0	425/50R	TYE	Cotonou, Benin	FX	....	[UNA] Tfc/Niamey
5225.0	USB	....	unknown	FX	....	Telcom
5225.0	USB	....	unknown			
5226.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes: NMJ22, Attu; NOJ, Kodiak; NRW2, St. Pau Clarence--all AK) [Alt: 5422.0]
5226.0	CW	JXU6	Bodo, Norway	FX	....	Norwegian Army
5226.0	*425/50R	YZG6	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/Moscow
5227.0	USB	VJJ	Charleville, Qld., Australia	FX	....	School of the Air
5230.0	USB	VJT	Carnarvan, WA, Australia	FX	....	School of the Air
5230.0	425/50R	CLN22	Havana (Bauta), Cuba	FX	20.0	Tfc/Prague
5230.0	CW	....	unknown	FX	....	VVV DE GXAGU
5230.2	CW	....	unknown	FX	....	Nx/EE
5230.2	LSB	....	unknown	FX	....	AFRTT feeder
5231.5	850/50N	LTX264	Buenos Aires	FX	1.5	Commercial Tfc
5232.5	850/...e	NSP	Sangle Point, Philippines	FX	5.0	USN
5234.0	CW	....	unknown	FX	1.0	Net
5235.0	CW	JJT30	unknown	FX	....	wkg JJT99
5235.5	RTTY	EEQ	Madrid, Spain	FX	....	Guardia Civil
5238.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/4
5240.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
5240.0	CW	FDC22	Contrexeville Air, France	FX	0.5	French AF
5240.0	F7B	RNE30	Moscow, USSR	FX	20.0	Tfc/New Delhi
5240.0	CW	SXX	Korfu, Greece	FX	....	Greek Navy
5240.0	425/50R	40C2	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx Serbo-Croat to EMBASSIES (Not on Sundays) 2000-2200 Nx EE 2000-2100 (Sundays, only) [Non-directional] Nx EE 1800-1830 (Neither broadcast of Fridays)
5242.0	170/50Re	....	unknown	FX	....	(also data)
5245.0	USB	VY021	Tukoyaktu, NWT, Canada	FX	0.5	Telcom
5248.5	USB	CFW	Vancouver, BC, Canada	FX	0.5	Telcom
5250.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	100.0	External Service
5250.0	....	....	Pehara, USSR	FX	....	Aeronet
5250.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
5250.0	425/50R	FTF25	Paris (Vernon), France	FX	2.0	DIPLO Nx
				[Beamed to the Middle East]		
5250.0	FAX	ZZA51	Harare, Zimbabwe	FX	1.0	Meteo
5250.0	CW	....	unknown, undoubtedly in NA	FX	....	Coded Tfc
5254.0	USB	ZLC7	Chatham Island, New Zealand	FX	0.4	Telcom/Wellington
5255.0	USB	....	unknown, very probably in Canada	FX/MS	...	Fishing
5258.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
5260.0	USB	VKJ	Meekatharra, WA, Australia	FX	....	School of the Air
5263.0	CW	CNO	Casablanca, Morocco	FX	0.5	NOAA reports
				wx broadcasts at 0835 & 1935		
5263.0	CW	XVS	Ho Chi Minh City, Vietnam	FX	....	NOAA reports
5263.0				wx broadcasts at 0420 & 1020		
5265.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
5265.0	CW	5VA	Lome, Togo	FX	0.2	NOAA reports
				wx broadcast at 0835		
5265.0	850/....e	....	unknown	FX	....	idling
5266.0	850/50R	†YAV	Kabul Aeradio, Afghanistan	AX	....
5270.0	CW	FDG	Bordeaux Air, France	FX	....	French AF
5270.0	USB	....	unknown, probably GDR	....	....	Army tfc. DD
5271.0	CW	†KWS78	Athens, Greece	FX	1.0	USA EMBASSY
5271.0	CW	RKP32	clg RYY65			
5271.0	CW	RYY65	wkg RKP32			
5272.0	CW	FLR22	Lille, France	FX	....	French Army
5275.1	425/50R	†SUA311	Cairo, Egypt	FX	10.0	AFP Nx AA
				[Beamed to Southern Europe]		
5276.0	F1B	HBT45	Berne, Switzerland	FX	7.0	Tfc/Tel Aviv
5277.0	170/....e	....	unknown	FX	....
5278.5	FAX	DPE28	Bonames, GFR	FX	20.0	
5281.1	CW	....	unknown	FX	....	Rpts CKT CKT
5281.5	USB	VCC643	Dartmouth, NS, Canada	FX	0.3	Tfc/Oil Rigs
5281.5	USB	CJR680	Sable Island, NS, Canada	FX	0.5	" " "
5282.2	CW	....	unknown	FX	....	ACEU ACEU ACEU
5284.5	FAX	....	Tashkent, Uzbek	FX	....	Meteo
5284.0	USB	....	unknown	FX	....
5285.0	425/50R	BUA56	Wulumuqi, PRC	FX	5.0	XNA
5285.0	F1B	HBT55	Berne, Switzerland	FX	7.0	
5285.1	F1B	†RXA77	Alma Ata, USSR	FX	....	Meteo
5287.0	F1B	†4NJ9	Ljubijana, Yugoslavia	FX	....
5287.5	USB	....	Pago Pago, American Samoa	FX	....	USCG Liaison
5290.0	425/50R	SOF229	Warsaw, Poland	FX	10.0	
5290.0	850/50N	RXFIC	Oeiras Naval, Portugal	FX	....	Port. Navy/NATO
5290.0	B8E	REN35	Moscow, USSR	FX	20.0	R. Moscow Feeder
5290.0	AM	....	RR weak brdcter here			
5293.0	425/....e	....	Etampes Air, France	FX	2.0	French AF
5293.0	425/50R	FDY	Orleans Air, France	FX	....	FAF
5295.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	100.0	External Service
5295.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5295.0	850/....e	....	several, Pacific Ocean area	FX	....	USN
5297.0	USB	....	DEW Line	FX	....	USAF
5297.0	LSB	FXM60	Noumea, New Caledonia	FX	....	Net Control
5297.6	USB	PPF29	Paris (Le Vernet), France	FX	20.0	Telcom
5299.0	425/....e	....	unknown	FX	....
			Serbo-Croat to EMBASSIES (Not on Sundays) 2000-2200			
			Nx EE 2000-2100 (Sundays, only) [Non-directional]			
			Nx EE 1800-1830 (Neither broadcast on Fridays)			
5300.0	USB	VJB	Derby	FX	....	private comm
5300.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost Control
5300.0	USB	VKF	Wyndham	FX	....	private comm
5300.0	850/50N	ZEN20	Cape D'aguilar, Hong Kong	FX	2.5	
5300.0	425/50R	SOF230	Warsaw, Poland	FX	10.0	
5300.0	CW	"XMB"	unknown	FX	....	Net
5302.5	LSB	AEA	Pirmasens, GFR (Heidelberg?)	FX	....	US Army
5302.5	LSB	AJE	Croughton (Barford), England	FX	4.0	USAF
5302.9	CW	"JZA"	unknown	FX	....	CQ CQ DE JZA
5305.0	425/75N	OMZ9	Warsaw, Poland	FX	1.0	Czech EMBASSY
5305.2	CW	....	unknown	FX	....	VVV's
5305.5	*425/50N	OEQ37	Vienna, Austria	FX	1.0	INTERPOL
5305.5	425/50N	ONA20	Brussels, Belgium	FX	3.0	"
5305.5	425/50N	OWS3	Copenhagen, Denmark	FX	0.2	"

kHz	Mode	Call	Location	Service	kW	Remarks
5305.5	425/50N	GMP	London (W. Wickham), England	FX	1.0	"
5305.5	425/50N	....	Helsinki, Finland	FX	1.0	"
5305.5	*170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
5305.5	425/50N	DEB	Wiesbaden, GFR	FX	20.0	"
5305.5	425/50N	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
5305.5	425/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
5305.5	425/59N	EEQ	Madrid, Spain	FX	5.0	"
5305.5	425/50N	HEP53	Zurich (Waltikon), Switzerland	FX	3.0	"
5305.6	CW	"D"	unknown	RC	....	Beacon
5306.0	170/75Nc	....	unknown	FX	....
5307.0	USB	AEA	Pirmasens, GFR	FX	....	US Army
5307.0	CW	"F"	unknown	RC	....	Beacon
5308.7	CW	"L"	unknown	RC	....	Beacon
5309.0	A1*	BPJ26	Beijing, PRC	FX	15.0	XNA Nx CC 1130-2400
5309.0	*F1B	OMZ9	Warsaw, Poland	FX	1.0	Czech EMBASSY
5309.5	USB	....	numerous, USA nationwide	FX/M?	...	DOE (Backup net for communications with vehicles transporting atomic waste materials. Code names are used. Data and security trans- are now evident. Assigned base stations include: KRF263- Albuquerque, NM; KRF264, Iona Bluff, ID; KRF265, Belton, MO; KRF266, Cheltenham, MD, KRF267, Savannah River, SC; etc. [Alt: 0000.0 & 00,000.0]
5312.5	USB	....	unknown, possibly Brazil	FX	....	PP net,
5313.0	850/50R	HGC23	Budapest, Hungary	FX	10.0	Tfc
5313.0	USB	....	†North Atlantic (East Coast) LORAN Net	FX	..	USCG (Includes: NMA7, Jupiter, FL; NMP32, Nantucket, MA; MF33, Caribou, ME; NMN73, Carolina Beach [Cape Fear], NC & NOL, "Bermuda Monitor") [Alt: 4048.5]
5315.0	USB	3XF23	Conakry, Guinea	FX	2.0	Telcom
5315.0	CW	"UAB2"	unknown	FX	....
5315.0	AM	....	unknown	FX	....	NUMBERS/GG/YL
5315.1	425/50N	BJZ27	Yichang, PRC	FX	5.0	Meteo
5315.5	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Montior", Japan; NRT2, Gesashi, Japan, NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 5063.6 & 7836.6]
5316.2	RTTY	....	Cairo, Egypt	FX	....	SUCO to oil rigs
5317.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes: NMJ22, Attu; NOJ, Kodiak; NRW2, St. Paul Is. & NRW3, Pt. Clarence—all AK) [Alt: 5226.0 & 5422.0]
5320.0	CW	C6R	Nassau, Bahamas	FX	0.5	Net Control
5320.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	10.0	Domestic Service
5320.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT3, Iwo Jima; NRV, Barri- gada, Guam; NRV6, Marcus Is. & NRV7, Yap Is.) [Alt: 7580.0]
	CW	NIK	COMMSTA Boston, MA	FX	....	USCG/NOAA re- ports seasonal ice broadcast at 0018
5320.0	USB	....	numerous, USA nationwide	FX	....	USCG Operations
5322.0	170/75R	NRT	COMMSTA Totsuka, Japan	FX	0.5	USCG
5322.0	170/FEC	NIK	COMMSTA Boston, MA	FX	5.0	USCG (NOAA reports seasonal ice warning broadcasts at 0018
5322.0	170/...e	....	several, Pacific Ocean area	FX	....	USCG
5322.5	170/50*	MKG	London (Stanbridge), England	FX	2.5	DCN
5325.3	170/50R	....	Tashkent, Uzbek SSR	FX	....	Meteo
5326.0	USB	WIC3	unknown	FX	....	USACE
5327.0	LSB	WIC	Tulsa, OK	FX	....	USACE
5327.5	425/...e	....	numerous, USA nationwide	FX	....	US Army
5327.6	425/100R	OEM25	Vienna Aeradio, Austria	AX	5.0	Meteo
5328.0	USB	AFG4	Offutt AFB, NE	FX	1.0	USAF
5332.0	425/...e	....	unknown	FX	....	Idling
5333.3	170/50N	FKP32	Djibouti Aeradio, Djibouti	AX	5.0	[DJR] Tfc/ETD3
5334.0	850/50R	BZZ31	Yichang, PRC	FX	3.0	Tfc/Nanking
5334.0	850/...e	....	unknown	FX	....
5334.9	525/50N	....	unknown	FX	....
5335.0	425/50N	Y2F3	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
5335.0	425/50N	RDM78	Tbilisi, Georgian SSR	FX	5.0	Meteo
5335.0	FAX	ROF76	Novosibirsk, USSR	FX	20.0	Meteo
5335.0	F7B	ROF76	" "	FX	20.0	Meteo
5336.0	850/50N	†RPFN	Lisbon Naval, Portugal	FX	....	Port. Navy

kHz	Mode	Call	Location	Service	kW	Remarks
5337.0	170/...e	....	unknown	FX	....
5340.0	USB	VZ8BZ	Alice Springs, NT, Australia	FX	....	School of the Air
5340.0	425/50R	6VY30	Dakar Aeradio, Senegal	AX	5.0	Tfc/Meteo
5340.0	850/75R	RND78	Moscow, USSR	FX	20.0	Meteo/TASS
5340.0	850/...e	....	numerous, USA nationwide	FX	....	USN
5344.0	850/50N	9DM9	Teheran, Iran	FX	....	Meteo (1500-0300)
5345.0	1000/50R	RSW71	Arkhangelsk, USSR	FX	5.0	Meteo
5345.0	850/...e	....	numerous, in North America	FX	....	USN
5349.8	CW	"E"	unknown	RC	....	Beacon
5350.0	USB	....	several, on/offshore NS/Nfld.	FX/MS	...	Canadian Fishing
5350.0	CW	FDC9	Nancy Air, France	FX	....	French AF
5350.0	425/50R	YPD	Bucharest, Rumania	FX	1.0	Tfc/Moscow
5350.0	B8E	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	10.0	USAF/NASA
5352.0	850/50R	↑MUY	Monchengladbach, GFR	FX	0.5	BAOR
5352.0	170/50R	↑ODD34	Beirut, Lebanon	FX	3.0	REUTERS
5352.0	170/ARQ	....	unknown			
5355.0	USB	VIH	Hobart, Tasmania, Australia	FX	....
5355.0	FAX	RND77	Moscow, USSR	FX	15.0	Meteo (cont.)
5357.0	B8E	CUA20	Lisbon (Alfragide), Portugal	FX	5.0	Telcom
5358.7	CW	CCS	Santiago Naval, Chile	FX	....	Chilean Navy
5360.0	USB	VJQ	Kalgoorlie	FX	....	private comm
5360.0	425/50N	Y2F4	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Helsinki
5360.0	850/50N	AB32	Tokyo, Japan	FX	10.0	
5360.0	850/50R	RV071	Moscow, USSR	FX	20.0	
5360.0	USB	....	mentions of Maracaribo	FX	....	Net/SS
5362.0	CW	OFB35	Helsinki, Finland	FX	5.0	NOAA reports
seasonal ice warnings at 2118						
5362.0	USB	....	Port Moresby Radio, Papua New Guinea	AX	1.0	HN
5364.0	325/75Rc	....	unknown	FX	....
5365.0	USB	....	Halifax, NS, Canada	FX	....	Commercial Tfc
5365.0	850/50	"CMB"	unknown	FX	....	NATO
5368.0	CW	....	Tirana, Albania	FX	....	EMBASSY
5368.0	850/...e	....	unknown	FX	....
5370.0	USB	VZ8BZ	Alice Springs, NT, Australia	FX	....	School of the Air
5370.0	USB	AJE	Croughton (Barford), England	FX	4.0	USAF/AFTRS
5370.0	425/...e	....	Villacoublay Air, France	AX	5.0	French AF
5370.0	CW	9MF11	Penang, Malaysia	FX	1.5	
5370.0	F7B	RLA51	Moscow, USSR	FX	20.0	
5372.5	425/45Ne	KA660	Grand Island, NE	FX	1.0	FCC
5373.5	170/ARQ	....	several, on/offshore North Sea	FX	....	Tfc/Oil Rigs
5374.2	170/50N	....	Costigliole, Italy	FX	....	Italian Army
5375.0	850/50R	RPTIG	Ponta Delgada			
5375.0	425/50R	....	Ponta Delgada Naval, Azores	FX	0.5	[RPTIH] Port. Navy
also on this QRG: CTD25, Ponta Delgado; CTK25, Santa Maria & CTB25, Angra Heroismo						
5375.0	FIB & USB	RIFAJD	Mantova, Italy	FX	....	Carabinieri
5375.0	USB	....	several, on/offshore North Sea	FX	....	Tfc/Oil Rigs
5376.5	USB	....	several, around Persian Gulf	AX	....	Aero Tfc
5376.8	LSB	....	AFRTS	....	....
5377.5	850/50N	RPTIHB	Horta, Azores	FX	....	Clg RPTIGB LORAN, Flo
5378.0	850/50R	RIFEDH	Nori Ligure, Italy	FX	....	Police
5379.0	CW	EHP	Pamplona, Spain	FX	....	Guardia Civil
5380.0	CW	FIT575	Paris, France	FX	....	Police
5380.0	CW	EHM	Zaragoza, Spain	FX	....	CG Net (Guardia Civil)
5380.0	850/50R	RND75	Moscow, USSR	FX	2.0	Meteo
5381.0	CW	EA3V	unknown, in Spain	FX	....	Police
5382.0	170/50N	RIFADB	Saluzzo, Italy	FX	....	Italian Army
5382.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	1.0	USN
5383.0	USB	....	ZULU ONE X-RAY clg NOVEMBER 4 MIKE			
5385.0	850/...e	....	unknown	FX	....
5387.0	850/50N	JXZ	Oslo (Kolsaas), Norway	FX	2.0	Norwegian Army
5388.1	500/50R	....	Tirana, Albania	FX	....	Tfc/Beijing
5389.1	170/...e	....	unknown	FX	....
5390.0	USB	CGD206	Alma, PQ, Canada	FX	1.0	Net Control
5390.0	USB	CSF25	Lisbon Air, Portugal	FX	....	Portuguese AF
5392.0	USB	....	Riyadh, Saudi Arabia	FX	....	Feeder/AA
5392.0	CW	LBJ5	Harstad Naval, Norway	FX	....	Norwegian Navy
5392.0	850/75N	"CMB"	unknown	FX	....	NATO

kHz	Mode	Call	Location	Service	kW	Remarks
5393.0	FIB/RTTY	CAL3	Balmaceda Aeradio, Chile	AX	....	[DUA]
5393.0	425/50R	SOF239	Warsaw, Poland	FX	10.0	
5393.5	RTTY	ELRB	Monrovia Aero, Liberia	....	....
5393.6	170/50R	PJG	Curacao Aeradio, Curacao	AX	3.0	Aero Tfc/Meteo
5395.0	USB	....	unknown, numerous, possibly Mexico	FX	....	Net/SS
5397.0	USB	VH4DV	unknown	FB/ML	...	BASE clg ML3
5397.0	USB	VH5KJ	Mount Frome	FB/ML	...	clg ML1
5398.5	USB	5TN58	Nouakchott, Mauritania	FX	6.0	Telcom
5400.0	CW	GZU	Portsmouth (Petersfield), England	FX	....	British Naval Air
5400.0	CW	MTO	Rosyth Naval, England	FX	....	" " "
5400.0	425/50N	HGB38	Budapest, Hungary	FX	....	also HGC34 clg LZU32
5400.0	425/50R	YPD	Bucharest, Rumania	FX	1.0	Tfc/Moscow
5400.0	USB	WUD	Omaha, NE	FX	....	USACE (Net
Control--many stations authorized for this channel. Recently heard have included: WUD2, Buffalo, NY; WUD6, St. Paul, MN & WUD7, Rock Island, IL) [May be referred to as Channel 8]						
5400.0	425/...e	WAR	Washington, DC	FX	50.0	US Army
5401.0	250/75R	8PGD	unknown, probably in NA	FX	....	FOXES
5403.7	425/50R	....	unknown	FX	....	RYRY/JYFJYF
5405.0	FAX	JMJ2	Tokyo (Usui), Japan	FX	5.0	Meteo
5405.0	FIB	HEO2	Schwarzenburg, SUI	FX	4.0	Tfc/Israel
5405.4	425/...e	....	unknown	FX	....
5406.0	170/50*	MKG	London (Stanbridge), England	FX	3.5	DCN
5407.5	850/50N	FTF40	Paris (Vernon), France	FX	2.0	
5407.5	850/...e	ADA	Tokyo, Japan	FX	50.0	US Army
5408.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
5410.0	USB	VJD	Alice Springs, NSW, Australia	FX	0.3	Outpost Control
5410.0	CW	VTR28	unknown	FX	....	Indian Navy
5410.0	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
5410.0	F7B	RLB21	Moscow, USSR	FX	1.0	TASS Feed to XNA
[One channel XNA--second channel telegrams]						
5410.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
5411.0	USB	....	numerous, east coast of USA	FC	....	USN
5412.0	425/50R	6VY32	Dakar Aeradio, Senegal	AX	10.0	Tfc/Kano
5412.5	850/...e	NPN 4	NAVCOMMSTA Agana, Guam	FX	1.0	[GCMP] USN
5413.0	CW	"KCU"	unknown	FX	....	FRZ DE KCU
5413.0	850/...e	....	unknown	FX	....
5414.0	170/...e	....	unknown	FX	....
5415.0	CW	FNO32	Paris (Orly), France	AX	10.0	Meteo
5415.0	CW	....	Paris (St. Martin Abbat), France	FX	10.0	Police
5417.0	850/50R	BAP49	Beijing, PRC	FX	10.0	XNA
[Beamed to Japan]						
5418.9	CW	"VMH"	unknown	FX	....	VVV's
5420.5	FAX	....	unknown	FX	....
5421.0	425/50R	ISY41	Rome, Italy	FX	10.0	
5421.0	CW	†XFE218	unknown, probably in Mexico	FX	....
5421.0	FIB	PAC27	Katwijk Naval, Netherlands	FX	....	Dutch Navy
5422.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes:
NMJ22, Attu, NOJ, Kodiak; NRW2, St. Paul Is. & NRW3, Pt. Clarence--all AK) [Alt: 5317.0 & 6812.0]						
5422.5	USB	....	West Indies LORAN Net	FX	....	USCG (Includes:
NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, NMA, Miami, FL; NMA4, San Salvador [Watling Is.], Bahamas; San Juan, PR) [Alt: 4048.5 & 7530.0]						
5422.5	USB	....	numerous, USA nationwide	FA/FC/FX	..	USCG Operations
5422.6	850/75N	†GYA	London (Northwood) Naval, England	FX	5.0	British Navy
5425.0	USB	....	numerous, in Cook Islands	FX	....	Net
5426.0	CW	KRH50	London, England	FX	1.0	USA EMBASSY
5426.0	425/50R	EPD26	Teheran Aeradio, Iran	AX	1.5	Tfc/Damascus
5426.8	CW	LBA2	Stavanger Naval, Norway	FX	....	Norwegian Navy
5430.0	CW	BPM	Xian, PRC	FX	5.0	TIME SIGNALS
(1000, 1200, 1400, 1600 & 1800)						
5430.0	850/75R	†AME3	Madrid Radionaval, Spain	FX	....	[RETJ] Spanish Navy
5430.0	425/50N	RVM45	Tashkent, Uzbek SSR	FX	20.0	Meteo
5430.0	850/...e	NSS	NAVCOMMSTA Washington, DC	FX	10.0	USN
5432.0	CW	FDY	Orleans Air, France	FX	....	French AF
5432.0	USB	....	"ACROBAT"	FX	....
5432.0	850/...e	....	unknown	FX	....	(also FSK)
5435.0	425/50N	Y2F5	Berlin (Nauen), GDR	FX	10.0	DP (also FSK)

kHz	Mode	Call	Location	Service	kW	Remarks
5435.0	USB	....	several, offshore N & S America	FX	....	Tfc/Oil Rigs
5437.0	CW	....	unknown	FX	....
5437.5	USB	....	numerous, USA nationwide	FX	....	USACE
5437.7	F7B	RKN9	Samarkand, Uzbek SSR	FX	60.0	
5440.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
5440.0	USB	954	unknown	FX	....
5440.0	USB	....	various Victoria National Parks with base as VZ3MK, Horsham sked			0
5440.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	5.0	Russian Service
5440.0	425/50R	BUA80	Wulumuqi, PRC	FX	5.0	XNA
5443.2	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
5445.0	USB	VJI	Mount Isa	FX	....	School of the Air
5445.0	850/50Ne	PDX	Paris Air, France	FX	....	[RFFVA] French AF
5445.0	USB	....	USSR	....	....	Aero Net.
5446.0	CW	....	Ankara, Turkey	FX	1.0	Belgium EMBASSY
5446.0	350/50R	CSZ	Lisbon Aeradio, Portugal	AX	10.0	Tfc/Santa Maria
5448.0	AM	4NU21	Novisad, Yugoslavia	FX	....	Railway
5450.0 - 5480.0 kHz — FIXED SERVICE & LAND or AERONAUTICAL MOBILE (Worldwide)						
5450.0	B9W	....	Munich (Ismanning), GFR	FX	50.0	VOA/Tfc/Greenville
5450.0	*425/50R	HGX31	Warsaw, Poland	FX	1.0	Hungarian EMBASSY
5450.0	425/75R	40D	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG
Nx Serbo-Croat to EMBASSIES 2000-close						
5452.5	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
5454.0	850/50R	LZF4	Ruse Airport, Bulgaria	FX	0.5	Meteo
5455.0	CW	FUJ	Noumea Naval, New Caledonia	FX	2.0	French Navy
5455.0	850/50N	CUA22	Lisbon (Alfragide), Portugal	FX	10.0	Tfc/Moscow
5455.0	CW	FUM	Papeete Naval, Tahiti	FX	2.0	French Navy
5455.0	425/50N	LZF9	Sofia, Bulgaria	FX	....	METEO
5455.0	B8E	RBK74	Moscow, USSR	FX	20.0	R. Moscow Feeder
5456.0	USB	....	several, in England	FA/MA	...	British Naval Air
5457.0	425/50R	LZA6	Sofia, Bulgaria	FX	15.0	BTA Nx Bulgarian
0800-1000 [Non-directional]						
5457.0	FAX	JKC	Tokyo (Kemigawa), Japan	FX	5.0	Meteo
5460.0	USB	XOP374	Laval, PQ, Canada	FA	0.1	
5460.0	425/75N	WWV45	Rabat (Tangier), Morocco	FX	35.0	USIA Nx EE
2215-0745 ("Near East/South Asia File")						
5461.5	CW	FDI21	Nimes Air, France	FX	....	French AF
5461.6	CW	YRN	Constantza, Rumania	FX	....
5462.0	CW	FDI22	Narbonne Air, France	FX	0.5	French AF
5462.5	B8E	FTF46	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
5465.0	425/....	....	unknown	FX	....
5466.0	USB	....	numerous, mostly NWT, Canada	FA	....	Includes: CY0779, MacKenzie; XNR714, Mount Lake; etc.
5468.5	USB	CTN9	Apulia Naval, Portugal	FX	5.0	Port. Navy
5470.0	LSB	RKU29	Moscow, USSR	FX	20.0	R. Moscow Feeder
5470.0	850/50R	↑RKU29	" "	FX	20.0	TASS/Meteo
5471.0	USB	....	reported Findhorn, Scotland	FX	....	RAF
5473.0	850/50R	BZG49	Wulumuqi, PRC	FX	5.0	XNA
5474.0	850/50N	CSY21	Santa Maria Aeradio, Azores	AX	2.0	Tfc/Shannon
5475.0	425/50R	YPD	Bucharest, Rumania	FX	1.0	Tfc/Moscow
5475.0	425/50R	HGX21	Budapest, Hungary	FX	....	Embassy
5475.0	USB	....	unknown, Europe	FX	....	EE/educational tfc.
5479.0	B9W	ALF2	Yokota AB, Japan	FX	5.0	USAF
5479.5	850/50N	PPE47	Paris (Vernon), France	FX	2.0	
5480.0 - 5730.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
5480.8	425/....	....	unknown	...	....
5484.0	USB	....	numerous, throughout Alaska	FA	....	Including: KCX3, Deadhorse; KX06, Point Barrow; KUJ2, Yakutat; etc.
5491.0	USB	Mineralyne VodyN44-15	E43-05 AERAD#384			
5491.0	USB	....	Tbilisi Radio, Georgian SSR	FA/MA	...	
5493.0	USB	....	numerous (ICAO AFI-4)	FA/MA	...	Airports & in-flight throughout central Africa—usually heard are Accra, Brazzaville, Jo'burg, Kano, Kinshasa, Lagos, Luanda, Lusaka, N'Djamena, Niamey, Sao Tome/Salazar, etc., airports
5499.0	USB	....	Antananarivo Radio, Madagascar	FA/MA	0.5	
5500.0	USB	....	numerous, USA nationwide	FA	....	CAP
5500.0	AM	....	unknown	FX	....	Numbers/Serbo-Croat
5503.0	LSB	....	numerous, USA nationwide	FA	....	CAP Net??
5508.0	USB	XZF	Mandalay Radio, Burma	FA/MA	0.3	
5508.0	USB	6KF3	Busan Radio, South Korea	FA/MA	0.1	

kHz	Mode	Call	Location	Service	kW	Remarks
5508.0	USB	6KF6	Seoul Radio, South Korea	FA/MA	0.1	
5519.0	USB	KIS70	Anchorage Radio, AK	FA	....	VOLMET (25+55)
5519.0	USB	KVM70	Honolulu Radio, HI	FA	1.6	VOLMET (00+30)
5519.0	USB	....	Hong Kong Radio, Hong Kong	FA	1.5	TIME SIGNALS & VOLMET (15+45)
5519.0	USB	JMA	Tokyo Radio (Narita), Japan	FA	1.5	" (10+40)
5519.0	USB	....	Auckland Radio, New Zealand	FA	5.0	" (20+50)
5519.0	USB	....	Tunis Radio, Tunisia	FA	....
5519.0	USB	KSF70	Oakland Radio, CA	FA	1.6	VOLMET (05+35)
5520.0	USB	....	numerous (ICAO W-CAR) flight covering the western Caribbean--usually heard are the Guatemala, Havana/Boyeros, Kingston, Merida, Miami, New Or- leans, San Jose/Coco, Tapachula, Tegucigalpa, etc. airports	FA/MA	....	Airports & in-
5520.0	USB	....	Sverdlovsk Radio, USSR	FA	....
5520.0	425/50N	....	unknown, probably USSR	FX	....	METEO
5525.0	FAF6	BAF6	Beijing Air, PRC	FA	....	Meteo
5526.0	USB	....	numerous (ICAO C-SAM/NE-SAM) flight covering mostly northeastern South America--usually heard are Belem, Brasilia, Iquitos, Leticia, Manaus, Porto Velho, Rio de Janeiro, etc., airports	FA/MA	....	Airports & in-
5526.0	USB	....	numerous (ICAO SE-SAM) flight covering southern and southeastern South America --usually heard are Asuncion, Buenos Aires, Campo Grande, Montevideo, Porto Alegre, Rio de Janeiro, Sao Paulo, etc., airports	FA/MA	....	Airports & in-
5530.0	USB	....	Kargaburun LORAN Station, Turkey	FX	....	USCG
5532.0	USB	....	numerous, Amsterdam	FA/MA	....	Prague, Czechoslovakia
5533.0	USB	....	Amsterdam, Netherlands	FA	....	KLM
5534.0	500/75R	BXT16	Dezhou, PRC	....	....
5535.0	USB	....	London airline companies house freq			
5538.0	USB	....	Bahrain	FA	....	LDOC
5540.0	USB	LZY	Burgas Radio, Bulgaria	FA	....
5540.0	CW	"S2DF"	unknown	FX	....
5544.0	USB	D2N21	Luanda Radio, Angola	FA/MA	1.0	
5544.0	USB	....	Dhahran Radio, Saudi Arabia	FA/MA	....	LDOC
5544.0	USB	....	Jeddah Radio, Saudi Arabia	FA/MA	....
5545.0	USB	....	Tokyo Center, Japan	FA/MA	....
5547.0	USB	KW03	Anchorage Radio, AK	FA/MA	1.0	
5547.0	USB	....	Tbilisi Radio, Georgian SSR	FA/MA	....
5547.0	USB	....	several (ICAO CEP-5) in flight between Honolulu & San Francisco	FA/MA	....	Reserved for
5547.0	USB	....	Delhi, Bombay, India	....	....
5550.0	USB	....	numerous (ICAO E-CAR/CAR-A) flight covering all of the Caribbean--usually heard are the Caracas/Maiquetia, Cayenne, Curacao, Georgetown, Havana Boyeros, Miami, Nassau, New York/JFK, Paramaribo, Trini- dad/Piarco, San Juan, Santo Domingo/Caucedo, etc., airports	FA/MA	....	Airports & in-
5553.0	USB	PRQ863	Recife Radio, Brazil	FA/MA	0.5	
5553.0	USB	XZA	Akyab Radio, Burma	FA/MA	1.0	
5553.0	USB	XZW	Rangoon Radio, Burma	FA/MA	1.0	
5554.0	USB	....	Casablanca Radio, Morocco	FA/MA	....
5555.0	USB	....	Jeddah, Saudi Arabia	....	....
5559.0	USB	PQA5	Porto Alegre Radio, Brazil	FA/MA	0.5	
5561.0	USB	....	Baghdad Radio (Saddam Intl.), Iraq	FA	....	VOLMET (00+30)
5561.0	525/50R	SUU	Cairo, Egypt	FX	....	Meteo
5561.0	USB	....	Bahrain Radio, Bahrain	FA	1.0	" (10+40)
5561.0	USB	....	Cairo Radio, Egypt	FA	1.0	" (20+50)
5561.0	USB	....	Teheran Radio, Iran	FA	....	" (05+35)
5561.0	USB	....	Beirut Radio, Lebanon	FA	....	" (15+45)
5561.0	USB	....	Istanbul Radio, Turkey	FA	....	" (25+55)
5561.0	USB	....	unknown			
5561.0	425/50N	....	unknown met for 08084/08075/08202/08439--all Spain			
5562.0	USB	CMI32	Rancho Boyeros Radio, Cuba	FA/MA	0.3	
5565.0	USB	....	numerous (ICAO SAT-2) flight over the South Atlantic Ocean--usually heard are Canaries Radio, Dakar, Sal, Recife, etc., airports	FA/MA	....	Airports & in-
5565.0	CW	"J3R"	unknown	FX	....	VVV's QXS5/11
5568.0	USB	D3P24	Huambo Radio, Angola	FA/MA	1.0	
5568.0	USB	D3P23	Luena Radio, Angola	FA/MA	1.0	
5571.5	425/75R	BXT1	unknown	FX	....	PRC EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
5574.0	USB	....	several (ICAO CEP-5)	FA/MA	...	Reserved for in-flight between Honolulu & San Francisco
5589.0	850/75R	CEV8	Temuco Naval, Chile	FX	....	Chilean Navy
5589.0	USB	....	INTERNATIONAL AIR-TO-GROUND FREQUENCY			
5598.0	USB	....	numerous (ICAO NAT-A)	FA/MA	...	Airports & in-flight across the central part of the North Atlantic Ocean--usually heard are Canaries Radio, Gander, Lisbon, New York/JFK, San Juan, Santa Maria, Shanwick, etc., airports
5598.0	USB	....	airplane in flight ("408") to airport ("MB") 2/4/83 1110			
5598.0	USB	....	various MAC a/c working Gander & NY			
5600.0	425/50N	†BCA1	unknown	FX	....
5602.0	USB	....	Callender Fld. (New Orleans), LA	FA	....	USCG
5603.0	USB	....	Amman, Ankara, Baghdad, Basrah, Beirut, Damascus, Teheran			
5613.0	USB	....	unknown	FA/MA	...	SS
5616.0	USB	....	numerous (ICAO NAT-B)	FA/MA	...	Airports & in-flight across the North Atlantic Ocean--usually heard are Gander, New York/JFK, Reykjavik, Santa Maria, Shanwick, etc., airports [May be called "ALFA" frequency]
5618.8	425/50R	....	unknown, probably in Africa	FX	....	Meteo
5624.0	USB	....	Bodo			
5624.0	USB	....	Shanwick			
5628.0	USB	....	numerous (ICAO NP-3/NP-4)	FA/MA	...	Airports & in-flight covering the North Pacific Ocean near the Arctic--usually heard are Anchorage, Cold Bay & Tokyo airports
5628.0	USB	....	unknown			VOLMET
5634.0	USB	....	numerous (ICAO AFI-5/INO-1)	FA/MA	...	Airports & en-route covering all of the western Indian Ocean--usually heard are the Antananarivo, Beira, Bombay, Cocos, Jo'burg, Lusaka, Mahe, Mauritius, Nairobi, Perth, St. Denis/Gillot Seychelles, etc., airports & Faleolo (Samou), Honolulu
5634.0	USB	....	Honolulu Radio, HI	FA/MA	...	Telcom
5638.0	USB	....	numerous, Greece nationwide	FA/MA	...	
5638.0	USB	....	Shanwick			
5640.0	USB	EIP	Shannon	FA	1.5	VOLMET
5640.0	170/50N(e)	....	unknown	....	....	Aero msg.
5642.0	USB	....	Moscow HJ			
5643.0	USB	....	numerous (ICAO SP-6/SP-7)	FA/MA	...	Airports & in-flight throughout the South Pacific Ocean--usually heard Auckland, Easter Island/Materie, Nandi, Sydney, Papeete, etc., airports
5643.9	850/50N	....	unknown	....	....	METEO
5645.0	USB	....	Great Yarmouth Radio, England	FA/MA	...	Helicopters
5645.0	USB	PHW	Amsterdam Heliport, Netherlands	FA/MA	...	Oil rigs
5645.0	USB	....	Stavanger Radio, Norway	FA	....
5645.0	USB	....	numerous, in the North Sea	FA/MA	...	Airports & in-flight for helicopters to oil rigs
5649.0	USB	....	numerous (ICAO NAT-C)	FA/MA	...	Airports & in-flight across the North Atlantic Ocean--usually heard are Gander, Reykjavik and Shanwick airports
5652.0	USB	VFG	Gander Radio, Nfld., Canada	FA	1.0	VOLMET (20+50)
5652.0	USB	WSY7Ø	New York Radio, NY	FA	1.5	VOLMET (05+35)
5652.0	USB	....	Algiers, Tripoli Control, Bahrain, Benghazi, Kuwait, Cairo			
5652.0	USB	....	numerous (ICAO AFI-2)	FA/MA	...	Airports & in-flight throughout northwestern Africa--usually heard are Algiers, Kano, N'Djamena, Niamey, Tamanrasset, Tripoli Tunis, etc., airports
5655.0	USB	....	numerous (ICAO SEA-2)	FA/MA	...	Airports & in-flight throughout Southeast Asia--usually heard are Bangkok, Hong Kong, Kota Kinabalu, Kuala Lumpur, Manila, Singapore, etc., airports
5658.0	USB	....	numerous (ICAO AFI-3)	FA/MA	...	Airports & en-route covering all of the northeastern part of Africa--usually heard are the Addis Ababa, Aden, Asmara, Benghazi, Bujumbura, Cairo, Dar es Salaam, Djibouti, Jeddah, Khartoum, Libreville, Mogadiscio, Nairobi, Riyan, Seeb Int'l., Tripoli, etc. airports
5658.0	USB	....	numerous (ICAO MID-2)	FA/MA	...	Airports & en-route throughout the Middle East to the Indian sub-continent--usually heard are the Abadan, Bahrain, Bombay, New Delhi, Kathmandu, Karachi, Kuwait,

kHz	Mode	Call	Location	Service	kW	Remarks
			Lahore, Teheran, etc. airports			
5659.0	USB	OKL	Prague Radio, Czechoslovakia	FA	....
5660.0	850/50R	BUA58	Wulumqi, PRC	FX	5.0	Tfc/Shanghai
5661.0	USB	....	Budapest Radio, Hungary	FA	1.0	
5661.0	USB	....	several (ICAO EUR-A)	FA/MA	...	Usually only
			Berlin/Tempelhof, Malta & Tunis airports			
5662.5	500/50N	SNG200	unknown			
5667.0	USB	....	numerous, (ICAO MID-1)	FA/MA	...	Airports & in-flight covering the Middle East--usually heard are Amman, Ankara, Baghdad, Bahrain, Basrah, Beirut, Cairo, Damascus Jeddah, Kuwait, Teheran, etc., airports
5670.0	USB	"MIW2"	unknown	FX	....
5670.0	CW	....	unknown	FX	....
			International rescue freq			
5680.0	USB	....	numerous (Canada, England & USA)	FA/MA	...	Used by several military services (RCAF, RAF, USAF & USN)
5683.0	USB	....	TEAL a/c during hurricane ADXR10/83			
5685.0	USB	....	Plymouth Rescue, England	FA	....
5686.0	850/...e	....	unknown	FA	....
5688.0	USB	ZUJ	Johannesburg (Jan Smuts) Radio, RSA	FA	5.0	
5688.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF
			(Used for SKY KING broadcasts)			
5688.0	USB	....	several, southwestern USA	FA/MA	...	In-flight tests
5688.0	USB	....	unknown, probably Belgrade, Yugoslv.	FA	....
5689.0	F1B	DHM91	Lahr c/g DH075			
5690.0	USB	DHM95	"Lahr Military", GFR	FA/MA	...	RCAF
			[Reported wx broadcasts at +15]			
			Services by commercial carriers			
5692.0	USB	....	numerous, worldwide	FA/MA	...	USN/USCG
5692.0	USB	....	unknown	FX	....	Numbers/66/YL
5692.0	USB	....	Clatsop Airport, Astoria, OR	FA	....	USCG
5692.0	USB	....	Ellington AFB, Houston, TX	FA	....	USCG
5692.0	USB	....	Hulman Field, Terre Haute, IN	FA	....	USCG
5692.0	USB	....	Port Angeles CGAS, WA	FA	....	USCG
5692.0	USB	....	Selfridge AS (Mt. Clemens), MI	FA	....	USCG
5692.0	USB	....	many CGAS			
5692.0	AM	....	unknown	FX	....	NUMBERS/GG
5694.0	AM	....	Syktvykar, USSR	FA	....	VOLMET/RR
5695.5	USB	JJG8	Atsugi Ichihar, Japan	FA	0.3	Tfc
5696.0	USB	....	numerous, USA nationwide	FA/MA	...	USCG/USN
			(Primary air/surface channel) Includes Corpus Christi CGAS, TX; New Orleans NAS, LA; Opa Locka CGAS (Miami), FL; Otis AS (Falmouth), MA; Lindbergh Fld. (San Diego), CA; San Francisco Int'l., CA; St. Petersburg Int'l., FL; etc.; Mobile Portsmouth			
5700.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Some code names for USAF bases--may be called the "QUEBEC" frequency--now part of "GIANT TALK")
5701.2	RTTY	....	Riberalta Aero, Bolivia	FX	....
5701.8	170/50N	"ESCR"	Stockholm	FA	....	Swedish AF
5702.0	CW	JJG8	Atsugi Ichihar, Japan	FA	....
5703.0	USB	....	numerous, worldwide	FA/MA	...	RCAF & USAF
5703.0	USB	....	House freq for AIR PACIFIC			
5704.0	850/50	....	callslips every 15 minutes 2128			
5704.0	CW	....	hi-speed single ltrs then slow speed	OK	OK	OK
5710.0	USB	....	numerous, worldwide	FA/MA	...	USAF (enroute)
5710.5	USB	"KILO 3	RADIO" Haditha N34-02 E42 22			
5717.4	850/...e	....	numerous, worldwide	FX	....	USN
5718.0	USB	AXF	"Air Force Sydney", NSW, Australia	FA/MA	...	RAAF
5718.0	USB	....	"Halifax" apparently MA "Back in Summerside in 20 minutes"			
5718.0	USB	....	several, in New Zealand	FA/MA	...	RNZAF
5718.0	USB	....	numerous, worldwide	FA/MA	...	USN
5718.4	850/75Ne	....	unknown	FX	....
5720.0	850/...e	....	unknown	FX	....	Idling
5724.0	850/...e	....	several, worldwide	FX	....	USN (active)
5725.5	CW	....	several, throughout Italy	FA	....	Italian AF
5726.0	USB	....	several, in Antarctica	FA/MA	...	NSF/USN
5728.0	850/...e	....	numerous, worldwide	FX	....	USN
5729.0	USB	....	"ARCHITECT"	FA	....	RAF

kHz	Mode	Call	Location	Service	kW	Remarks
5730.0	425/50R	BRB	Tianjin, PRC	FX	5.0	Meteo
5730.0	425/50N	....		FX	....	CAVOK met
5731.0	USB	VZ8SK	Katherine, NT, Australia	FX	1.0	School of the Air
5731.0	*170/75Rc	RX044	Warsaw, Poland	FX	1.0	PRC EMBASSY
5731.0	425/50N	YRR	Bucharest Aeradio, Rumania	FX	1.0	Tfc/Meteo
5732.0	850/75R	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
5733.0	CW	....	unknown	FX	....	Coded Tfc
5734.0	.....	....	ionosonde beacon KCA KCB KCC	Mussels Shoals AL		
5735.0	USB	VJC	Broken Hill, NSW, Australia	FX	....	School of the Air
5735.1	B8E	†5TN22	Nouakchott, Mauritania	FX	6.0	Telcom
5736.0	425/50R	BAL31	Beijing, PRC	FX	25.0	
5737.5	CW	ONV27	Rouveroy, Belgium	FX	....	NATO
5738.5	CW	NPM	NAVCOMMSTA Pearl Harbor, HI	FC	1.0	USN
5739.0	425/50R	IRC27	Rome (Torrenova), Italy	FX	3.0	
5739.8	425/50N	HZN	Jeddah, Saudi Arabia	FX	....	Meteo
5740.0	USB	VJQ	Kalgoorlie, VIC, Australia;	FX	....	School of the Air
5740.0	F7B	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
5740.0	B8E	....	Turks Island, IOB	FX	0.2	Emergency
5740.0	F7B	RKR78	Irkutsk, USSR	FX	20.0	Meteo
5740.0	425/75R	40E	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/Moscow
5740.0	425/50N	....	for 55363/55502/11942/06018	FX	....	Met
5741.0	425/50R	SOF274	Warsaw, Poland	FX	20.0	PAP Nx EE 2000-2030 [Non-directional]
5744.0	850/50R	BAY2	Beijing, PRC	FX	15.0	XNA Nx [Feed to Moscow]
5744.0	USB	....	Halifax, NS, Canada	FX/MS	...	Oil Rigs
5744.0	USB	....	St, Johns, Nfld., Canada	FX/MS	...	Oil Rigs
5744.0	850/...e	HWN	Paris (Houilles) Naval, France	FX	10.0	French Navy
5744.0	CW	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 5181.0 & 6842.0]
5745.0	USB	....	Aleutian LORAN Net NMJ22, Attu; NRW2, St. Paul Is. & NRW3, Pt. Clarence--all AK) [Alt: 9073.0]	FX	....	USCG (Includes:)
5745.0	B8E	....	Greenville, NC	FX	40.0	VOA Feeder
5745.7	170/ARQ	....	unknown	FX	....	Shopping List
5746.7	F1B	†AWM	Madras Aeradio, India	AX	....
5747.5	425/50N	JYA23	Amman, Jordan	FX	3.0	
5747.5	F1B	HBT75	Berne, Switzerland	FX	7.0	
5747.5	170/...e	....	associated with USB on 5744 must be data at 100 baud from "710"			
5750.0	USB	....	unknown	FX	....	NUMBERS /GG/YL
5750.0	850/50R	SOF275	Warsaw, Poland	FX	20.0	
5750.0	B8E	5WB5	Apia, Western Samoa	FX	10.0	Telcom/Suva
5752.5	USB	....	DOE moving atomic material (see 5309.5 for list)			
5754.0	150/...e	....	unknown	FX	....
5755.0	USB	LTU265	La Quiara, Argentina	FX	0.1	Net Control
5755.0	FAX	AXI32	Darwin, NT, Australia	FX	5.0	Meteo (0800-2100)
5755.0	850/50R	RV074	Moscow, USSR	FX	20.0	APN/TASS [Beamed to the Far East]
5756.1	CW	....	unknown says DE IPU?? & CFM & CFF	FX	....	into SS text
5760.0	425/50R	RRC63	Moscow, USSR	FX	15.0	
5760.5	425/50R	BZC35	Wulumuqi, PRC	FX	5.0	XNA
5762.0	425/50R	SOF276	Warsaw, Poland	FX	10.0	PAP
5763.0	850/50R	BZW35	Wulumuqi, PRC	FX	10.0	XNA
5765.0	850/50N	CUA23	Lisbon (Alfragide), Portugal	FX	3.0	
5765.0	FAX	RRRQ	Novosibirsk, USSR	FX	15.0	Meteo
5765.0	USB	NMA	COMMSTA Miami, FL	FA/FX	...	USCG [Frontier Guard Forces Cuba]
5767.5	850/...e	IBA	Naples Naval, Italy	FX	1.0	Italy Navy/NATO
5767.5	FAX	JBK3	Tokyo (Kemigawa), Japan	FX	5.0	Meteo/Nx
5770.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
5770.0	USB	IRC37	Rome, Italy	FX	....	Telcom
5772.0	425/50R	BAX57	Beijing, PRC	FX	40.0	XNA Nx EE 1700-1800 [Beamed to western India & Pakistan]
5773.5	..	....	secure telcom on this freq			
5773.5	USB	TUP57	Abidjan, Ivory Coast	FX	6.0	Telcom
5775.0	425/50R	BCM	Shanghai, PRC	FX	80.0	Tfc/Cairo
5775.0	CW	SHX	Souda, Crete, Greece	FX	....	Greek Navy
5775.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
5775.0	425/50N	FXC32	Cayenne Aeradio, French Guiana	FX	1.0	Tfc/Paramaribo
5775.0	850/50R	RWD54	Moscow, USSR	FX	20.0	

kHz	Mode	Call	Location	Service	kW	Remarks
5775.8	170/50R	....	Messina, Italy	FX	....
5778.0	850/50N	ZEN23	Cape D'aguiar, Hong Kong	FX	7.5	Meteo
5779.0	CW	FV080	Rosy-sur-Bois, France	FX	....	GNF
5780.0	850/...e	VDD	Debert, NS, Canada	FX	10.0	C. Forces
5780.0	425/50R	BAT95	Beijing, PRC	FX	10.0	XNA
5780.0	CW	LMB5	Bergen, Norway	FX	0.5	NOAA reports
				wx broadcasts at 1305 & 2240		
5780.0	1000/50R	RZE72	Leningrad, USSR	FX	5.0	Meteo
5780.0	425/...e	....	unknown	FX	....
5781.0	USB	PRW863	Belo Horizonte, Brazil	FX	0.1	Net Control
5781.5	RTTY	EHD000	Madrid, Spain	FX	....	Guardia Civil
5782.0	850/50R	YOF67	Bucharest (Urziceni), Rumania	FX	10.0	Tfc
5783.0	425/50N	5YT	Nouakchott Aeradio, Mauritania	AX	1.0	Tfc/Dakar
5783.5	USB	NAX	NAVCOMMSTA Barber's Point, HI	FC	3.0	USN
5783.5	USB	NQM	NAVCOMMSTA Sand Point, Midway Is.	FC	6.0	USN
5785.0	F7B	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
5785.0	425/50R	BJL57	Wuhan, PRC	FX	2.0	Meteo
5785.0	F1B	↑RCR72	Khabarovsk, USSR	FX	....	Meteo
5785.0	850/...e	....	numerous, worldwide	FX	....	USN
5785.0	CW	....	numerous, worldwide	FC/FX	....	USN
5788.0	A1*	....	Beijing, PRC	FX	2.0	XNA Nx CC 0000-0300,
				0700-0930, 1130-1330 & 1400-2400		
5790.0	B8E	↑....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5794.7	CW	"K"	unknown	RC	....	Beacon
5795.0	850/50R	....	Beijing, PRC	FX	2.0	XNA
5795.0	B9W	....	unknown	FX	....	Idling
5797.0	425/50R	TUH34	Abidjan Aeradio, Ivory Coast	AX	1.0	Tfc/Douala
5797.0	*425/50N	....	unknown	FX	....	"TESTING NY"
5800.0	425/50R	BUA65	Wulumqi, PRC	FX	5.0	XNA Feeder
5800.0	425/50N	Y2F6	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
5800.0	425/50R	SOF280	Warsaw, Poland	FX	10.0	
5800.0	FAX	YZZ1	Belgrade, Yugoslavia	FX	1.0	Meteo (0700-1700)
5800.1	850/...e	....	unknown	FX	....	Idling
5803.0	850/...e	....	unknown	FX	....
5803.6	775/50R	9GC	Accra Aeradio, Ghana	FX	1.0	
5805.0	R3C	ZKLF	Auckland, New Zealand	FX	1.0	Tfc/SEP
5805.5	FAX	....	unknown	FX	....
5806.0	USB	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabia
				EMBASSY [Alt: 14,748.5]		
5808.0	425/...e	....	Etampes Air, France	FX	2.0	French AF
5810.0	CW	HLL	Seoul, South Korea	FX	1.5	NOAA reports
				wx broadcasts at 0000 & 1200		
5810.0	F7B	REN32	Moscow (Kupavna), USSR	FX	15.0	
5810.0	LSB	RIQ24	Yuzhno-Sakhalinsk, USSR	FX	....	R. Moscow Feeder
5810.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	1.0	USAF/NASA
				Shuttle Support [Alt: 4992.0 & 6708.0]		
5810.0	USB	....	numerous during shuttle after 0400	ADXR10/83		
5810.0	USB	....	PEA POD, VARIETY, CAPE RADIO, etc.	SPE5/83		
5810.0	425/50R	....	SANA Damascus, Syria	FX	....	SANA Nxs, Syria
5811.0	CW	JXU	Bodo Naval, Norway	FX	....	Norwegian Navy
5811.0	CW	LBA	Stavanger Naval, Norway	FX	....	Norwegian Navy
5812.0	170/50R	DHJ49	Bonn, GFR	FX	....	GFR Army
5812.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
5813.0	B8E	TLZ58	Bangui, Central African Republic	FX	2.0	Telcom
5813.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
5815.0	A1*	....	Beijing, PRC	FX	10.0	XNA Nx CC 1300-2200
5815.0	425/50R	BUA21	Wulumqi, PRC	FX	5.0	
5815.0	LSB	RV072	Moscow, USSR	FX	15.0	Feeder for
				ALL-UNION RADIO		
5815.0	F7B	↑RV072	Moscow, USSR	FX	15.0	
5816.0	850/50N	CUA24	Lisbon (Alfragide), Portugal	FX	3.0	Tfc
5817.0	850/50R	"RRY7"	unknown, possibly Europe	FX	....	control testing
5817.0	850/50R	"RC6V"	unknown, possibly Europe	FX	....	ctrl. tstng. clg. 42RV
5818.5	425/50R	9HA	Luqa Aeradio, Malta	AX	1.5	[LMMM] [MLA]
5820.0	CW	....	Plaisance (Vacoas), Mauritius	FX	0.5	Meteo
5820.0	850/50R	4NJ5	Zagreb, Yugoslavia	FX	1.0	
5823.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
5824.0	850/50R	BAT65	Beijing, PRC	FX	5.0	XNA/Cambodia
5824.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY (to England)
5825.0	850/50R	BRA28	Lasa, Tibet, PRC	FX	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
5825.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	15.0	[GCMF] USN
5826.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
5826.0	USB	....	unknown -- sounds Aussie 4 stations	Ruanda &		"who-de-atta"
5827.0	USB	....	numerous, mostly in NSW, Australia	FX/ML	...	
5827.0	USB	CLX30	Lomacablanca, Cuba	FX	0.1	Net Control [Alt: 4597.0]
5829.0	425/50R	SOF282	Warsaw, Poland	FX	10.0	
5830.0	*425/50R	ONN30	Brussels, Belgium	FX	1.0	GDR EMBASSY
5830.0	425/50R	Y7A26	Berlin (Nauen), GDR	FX	10.0	EMBASSY
5830.0	USB	DFE83	Bonames, GFR	FX	20.0	DW Feeder
5830.0	F7B	RWD52	Moscow, USSR	FX	20.0	TASS
5830.0	B8E	↑RWD52	Moscow, USSR	FX	20.0	R. Moscow Feeder
5830.0	850/...e	....	unknown	FX	....	Idling
5832.0	425/50N	HBT85	Berne, Switzerland	FX	7.0	Tfc/Stockholm
5832.5	425/...e	....	unknown	FX	....	Idling
5835.0	850/50N	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
5835.0	850/50N	VNJ	Casey Base, Antarctica	FX	10.0	ANARE
5835.0	850/50R	LZD	Sofia, Bulgaria	FX	7.0	Tfc
5837.0	USB	CLX34	Havana, Cuba	FX	0.1	Net Control [Alt: 4577.0 & 5847.0]
5837.0	850/50N	9VF8	Singapore, Singapore	FX	3.5	Tfc
5839.0	850/50R	BAM76	Beijing, PRC	FX	15.0	XNA [Beamed to Hong Kong]
5840.7	350/50N	....	AFP SS Nx 2000			
5842.0	350/50N	FTF84B/H3	Paris (St. Assise), France	FX	20.0	AFP Nx FF 0630-2130 ("MOY Service") [Beamed to the Middle East]
5842.0	B8E	FTF84	Paris (St. Assise), France	FX	20.0	Telcom
5844.3	425/50R	BLM21	Chengdu, PRC	FX	2.0	Meteo
5845.0	USB	VNZ	Port Augusta, NT, Australia	FX	....	School of the Air
5845.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5846.0	425/50R	YKA	Damascus Aeradio, Syria	AX	1.0	
5847.0	USB	CLX34	Havana, Cuba	FX	0.1	Net Control [Alt: 5837.0]
5847.5	CW	BHI24	Shanghai, PRC	FX	3.0	XNA
5848.0	425/50R	BZP55	Wulumuqi, PRC	FX	10.5	XNA/Prague
5848.0	250/50N	TUH55	Abidjan Aeradio, Ivory Coast	AX	1.0	[IGA] Tfc/Accra
5849.0	425/50R	SOF284	Warsaw, Poland	FX	20.0	
5850.0	USB	VJB	Derby, VIC, Australia	FX	....	School of the Air
5850.0	425/75R	CLN26	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
5850.0	FAX	OXT	Copenhagen (Skamleback), Denmark	AX	20.0	Meteo (0030-1005)
5850.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	Russian Service
5851.0	FAX	JKE2	Tokyo, Japan	FX	5.0	
5854.0	CW	JXU7	Bodo Naval, Norway	FX	....	Norwegian Navy
5855.0	B9W	VME	Brighton, Tasmania, Australia	FX	5.0	Tfc/Rockbank
5855.0	425/59R	RWD51	Moscow, USSR	FX	15.0	TASS
5858.0	USB	PSG351	Salvador, Brazil	FX	0.1	Net Control
5858.5	RTTY	EHM8	Almeria, Spain	FX	....	Guardia Civil
5859.0	F7B	Y2V3	Berlin (Nauen), GDR	FX	20.0	ADN/EMBASSY
5860.0	425/50Rc	....	unknown	FX	....
5860.2	170/75R	....	several, USA nationwide	FX	....	USN/MARS
5861.0	850/50N	ONY27	Rouveroy, Belgium	FX	....	Belgium Army/NATO
5861.0	USB	KEM80	Washington, DC	FX	....	FAA Net Control [Backup Emergency Net]
5861.5	425/50R	EHM8	Almeria, Spain	FX	....	Civil Guardia
5862.5	170/...e	....	unknown	FX	....	Idling
5865.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost Control
5865.0	USB	VJQ	Kalgoorlie, WA, Australia	FX	0.3	Outpost Control
5865.0	850/...e	....	numerous, worldwide	FX	....	USN
5866.0	USB	ZLW	Wellington, New Zealand	FX	0.5	Telcom/Portland Is.
5867.0	425/50R	YIL68	Baghdad, Iraq	FX	10.0	INA Nx AA 0600-2000 [Beamed to Africa & the Middle East]
5867.5	850/50R	BBA56	Shanghai, PRC	FX	15.0	Tfc
5868.0	*425/50R	Y7C31	Brussels, Belgium	FX	1.0	GDR EMBASSY
5868.0	CW	FDY	Orleans, France	FX	....	FAF
5868.0	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
5868.0	425/50R	Y7A27	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
5868.0	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
5870.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	20.0	USN
5870.0	CW	NAR	NAVCOMMSTA Key West, FL	FX	20.0	(LCMP-2) USN

(NOAA reports wx broadcasts at 0030, 0630, 1130 & 1700)

kHz	Mode	Call	Location	Service	kW	Remarks
Seasonal ice warnings at 0500 & 1700						
5874.7	.....	....	Phnom Penh, Cambodia	FX	....
5875.0	RTTY	RIFMCF	Rome Naval, Italy	FX	....	Italian Navy
5875.0	850/75R	NAU	NAVCOMMSTA San Juan, PR	FX	....	USN
5875.0	850/75Rc	RCD31	Moscow, USSR	FX	20.0	Tfc
5876.0	CW	DDH5	Pinneburg, GFR	FX	5.0	Meteo
5876.5	USB	XMH356	Dartmouth, NS, Canada	FX	1.0	Net Control
5876.5	CW	NAR	NAVCOMMSTA Key West, FL	FX	20.0	(LCMP-2) USN/NUKO
5877.0	RTTY	IBA	Naples Naval, Italy	FX	....
5877.5	850/50N	ZEO23	Cape D'aguilar, Hong Kong	FX	7.5	Tfc/Colombo
5877.5	850/....e	ADA	Tokyo, Japan	FX	20.0	US Army
5880.0	170/50*	MKG	London (Stanbridge), England	FX	2.5	DCN
5880.0	850/....e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
5882.0	USB	....	Radio Rivadavia, Argentina	FX	....	Feeder
5882.0	CW	YRR3	Bucharest, Rumania	FX	....	Meteo
5882.0	USB	AFE71	"CAPE RADIO, Canaveral AFS, FL	FX	....	USAF/NASA
5882.5	425/50R	BC121	Shanghai, PRC	FX	15.0	Tfc/Rome
5885.0	850/50N	9VF9	Singapore, Singapore	FX	10.0	press
5886.0	850/50R	SOF288	Warsaw, Poland	FX	20.0	Tfc/FE
5887.5	850/50N	IMB32	Rome, Italy	FX	5.0	[MGR] Meteo
5889.8	CW	"K"	unknown	RC	....	Beacon
5890.0	900/50R	BCV20	Shanghai, PRC	FX	15.0	Tfc/EUR
5890.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5890.0	FAX	RBV78	Tashkent, Uzbek SSR	FX	5.0	Meteo
5892.5	850/50Ne	CII	Shilo, Man., Canada	FX	10.0	C. Forces
5892.5	F7B	UBVS	Tallinn, Estonian SSR	FX	60.0	
5893.0	B9W	CSY23	Santa Maria Aeradio, Azores	AX	10.0	Tfc/Lisbon
5895.0	USB	VJC	Broken Hill, NSW, Australia	FX	....	School of the Air
5895.0	B8E	RND72	Moscow, USSR	FX	20.0	Telcom
	850/50R	RND72		FX	20.0	
5898.0	850/50R	BAX28	Beijing, PRC	FX	40.0	Tfc/Paris
5898.5	850/50R	SOF289	Warsaw, Poland	FX	20.0	Tfc/ME
5899.5	425/50N	5AF	Tripoli Airport, Libya	AX	....
5900.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
5900.0	AM	....	Sichuan PBS, Chengdu, PRC	BC	10.0	Domestic Service
5900.0	AM	....	RADIO ORBITA-4 (Uzbe/Kazath)	BC	....	Domestic Service
5900.0	AM	....	THIRD PROGRAM, USSR	BC	....	Domestic Service
5902.5	F7B	UFXX	Novgorod, USSR	FX	60.0	
5902.5	B8E	....	Delano, CA	FX	40.0	VOA Feeder
5903.0	850/50R	SOF290	Warsaw, Poland	FX	20.0	Tfc/Cairo
5903.0	850/50N	9VF20	Singapore, Singapore	FX	3.5	Tfc/Tokyo
5905.0	850/50N	ZEN24	Cape D'aguilar, Hong Kong	FX	3.5	Tfc/Vientiane
5907.5	USB	....	several, in Alaska & Hawaii	FX	....	US Governmental
			(Includes: KWL24, Tern Island, HI; KWL47, Bethel, AK; etc.)			
5907.5	850/50N	9VE23	Singapore, Singapore	FX	10.0	Tfc/London
5907.9	425/50R	ISY59	Rome, Italy	FX	3.0	ANSA
5908.0	425/....e	AGA	Hickam AFB, HI	FX	3.0	USAF
5909.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
5909.0	CW	BMB	Taipei, Taiwan	FX	....	NOAA reports
wx broadcasts at 0400, 1000, 1600 & 2200						
5910.0	USB	....	unknown	FX	....	LETTERS/EE/YL
5910.0	USB	XMM311	Postaleine, PQ, Canada	FX	0.1	Tfc/Akulivik
5910.0	USB	XMM312	Akulivik, PQ, Canada	FX	0.1	Tfc/Postaleine
5911.0	850/50R	BPJ6	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
5915.0	850/50N	ZLZ20	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy/Meteo
5915.0	CW	ZLZ20	Wellington (Himatangi), New Zealand	FC	5.0	NOAA reports
wx broadcasts at 0200, 0520, 0815, 0840, 0910, 1800 2040 & 2110						
5915.0	850/....e	....	unknown	FX	....
5917.0	425/50R	BZT35	Wulumuqi, PRC	FX	10.5	XNA
5917.0	CW	AOK	NS Rota, Spain	FX	5.0	USN
5917.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	5.0	(LCMP-3) USN Wx 0030
5917.5	FAX	JYN40	Amman, Jordan	FX	5.0	Meteo
5918.5	CW	AOK	NS Rota, Spain	FX	1.0	USN/NOAA re- ports wx broadcasts at 0030, 0630, 1230 & 1700/Seasonal ice warnings at 0500 & 1700
5919.8	CW	"K"	unknown	RC	....	Beacon
5920.0	850/50N	9VE24	Singapore, Singapore	AX	3.0	

kHz	Mode	Call	Location	Service	kW	Remarks
5920.0	CW	SXA3	Greek Navy, Greece	....	....
5920.0	USB	....	Novosibirsk, USSR	FX	100.0	R. Moscow Feeder
5921.0	USB	....	numerous, in Mexico	FX	....	Net
5923.5	LSB	....	numerous, western USA	FX	....	NWS Net (Infrequently used. Most recently reported stations include: KAE41, Albuquerque, NM; KGD55, Redding, CA; KGD69, Salt Lake City, UT; KHB24, Billings, MT & KME57, Portland, OR)
5923.5	AM	....	unknown	FX	....	NUMBERS/SS/YL
5925.0	425/50R	BAF43	Beijing, PRC	FX	5.0	Meteo
5925.0	CW	....	Paris (Vernon), France	FX	10.0	
5925.0	F7B	RYK2	Moscow, USSR	FX	15.0	
5925.0	850/75N	WBR70	Miami Aeradio, FL	AX	8.0	[WBC] METAR/Meteo
5926.5	RTTY	EHP	Barcelona, Spain	....	....
5928.5	USB	....	unknown	FX	....	NUMBERS/SS/YL
5929.0	CW	....	unknown	FX	....	Coded Tfc
5930.0	USB	ZKS	Rarotonga, Cook Islands	FX	1.0	Net Control [Alt: 7390.0]
5930.0	AM	....	ALL-UNION RADIO, USSR	BC	....	Domestic Service
5931.5	850/50R	LTY7	Comodoro Rivadavia, Argentina	FX	0.3	Commercial Tfc
5932.0	425/50N	....	Djibouti Aeradio, Djibouti	AX	0.2	Tfc/Addis Ababa
5932.5	B8E	....	Delano, CA	FX	....	VOA Feeder
5935.0	425/50R	BZR65	Wulumuqi, PRC	FX	25.0	XNA [Beamed to Southern Europe]
5935.0	CW	....	Paris (Vernon), France	FX	10.0	
5940.0	B8E	VZSY	Sydney (Llandilo), NSW, Australia	AX	1.0	Telcom/Lord Howe Is.
5940.0	425/50N	JYP5	Amman, Jordan	FX	5.0	JNA Nx AA 1000-1100 Nx AA 1400-1500 (Not on Fridays) [Non-directional]
5942.5	AM	....	unknown	FX	....	NUMBERS/SS/YL
5944.0	850/50R	SOF294	Warsaw, Poland	FX	20.0	
5945.0	USB	VZ5PG	SA National Parks in Adelaide with 0900 sked			
5945.0	425/75N	....	Belize, Belize	FX	....
5945.0	F7B	BAX61	Beijing, PRC	FX	40.0	Tfc/Paris
5945.0	B8E	....	Holzklirchen, GFR	FX	10.0	RFE Feeder
5945.0	FAX	LM05	Oslo, Norway	FX	0.5	Meteo
5945.0	AM	....	ALL-UNION RADIO, USSR	BC	....	Domestic Service
5948.5	USB	....	DOE moving atomic material			
5949.9	5950.0 - 6200.0 kHz		— INTERNATIONAL BROADCASTING (Worldwide)			
5960.0	USB	....	says MOBILE ONE on ALFA ONE CALLINGS MATTS ONE			
5982.0	850/....e	....	unknown	FX	....
5985.0	USB	....	Menlo Park, CA	FX	....	SRI
6020.0	USB	....	USACE Ch#10 MT9/10 '83			
6100.0	AM	YVTO	Caracas, Venezuela	BC	1.0	TIME SIGNALS
6102.7	CW	"VK30"	unknown	FX	....	VVV's
6199.9	6200.0 - 6525.0 kHz		— MARITIME MOBILE (Worldwide)			
	USB		The band between 6200.0 and 6215.5 kHz is divided into 6 channels spaced 3.1 kHz apart and assigned numbers from 601 to 606. These are ship transmitting channels and are duplexed with Coastal USB stations operating between 6506.4 and 6521.9 kHz			
6200.0						
6203.0	CW	"P"	unknown	RC	....	Beacon
6208.5	....	†....	Sverdlovsk Aeradio, USSR	AX	....
6209.3	USB	....	Hong Kong Radio, Hong Kong	FC/MS	...	
6209.3	USB	WGK	St. Louis, MO	FC/MS	0.8	Inland Waterway
6209.3	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
6210.0	AM	....	Transworld Radio, Monaco	BC	....
6212.4	USB	WFN	Louisville, KY	FC/MS	0.8	Inland Waterway
6212.4	USB	WGK	St. Louis, MO	FC/MS	0.8	Inland Waterway
6215.5	USB	PJC	Curacao (Willemstad) Radio, Curacao	FC	....	NOAA reports wx broadcasts 1200 & 2300, July-November, only
6218.6	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMO, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak AK & NRV, Barrigada, Guam)
6218.6	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships.
6221.6	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (See 6218.6)
6221.6	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-

kHz	Mode	Call	Location	Service	kW	Remarks
coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships.						
6235.0	USB	....	unknown	FX	....
6235.0	AM	....	unknown	....	....	NUMBERS/GG/YL
6250.0	425/50R	DAS35	unknown	....	....	RYRY
6252.0	AM	....	Vatican Radio	BC	....
6256.5	170/ARQ		The band between 6256.5 and 6267.5 kHz is divided into 23 channels spaced 500 Hz apart. These are paired with SITOR Coastal stations operating between 6494.5 and 6505.5 kHz. USSR ships use 170/50NC in this range, also heard on 6268 and 6268.5			
6261.0	CW	"RBA3"	unknown	FC	....
6264.0	CW	FUM	Papeete Naval, Tahiti	FC	....	French Navy
6265.0	CW	SXC	Thessaloniki, Greece	FX	....	Greek Navy
6270.0	USB	....	unknown	....	....	LETTERS/EE/YL
6272.7	...	LXB	Firenze, Italy	....	....	NATO
6275.0	170/100R	....	unknown, possibly GDR	FX	....	METEO (0400-...?)
6276.0	425/50N	....	unknown	....	....	METEO
6276.0	850/75N	"TLT2"	unknown	....	....	RYRY, SGSG, SS wx
6277.8	850/74N	"CEV8"	unknown	....	....	RYRY/SGSG
6290.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service
6300.0	CW	YNAG9	Managua, Nicaragua	FX	0.1	Mining
6303.0	CW	C7C	Ocean Station "Charlie"	MS	....
6307.5	425/50N	OMV237	unknown	....	....	RYRY
6320.0	CW	C7C	Ocean Station "Charlie"	MS	....
6325.0	AM	....	RADIO BEIJING, PRC	BC	....	Russian Service
6326.0	850/....e	....	unknown	....	....
6326.5	CW	JFS	Hachihohe, Japan	FC	....	Fisheries
			+ many others			
6326.5	CW	PKN	Balekpapan, Indonesia	FC	....
6325.5	CW	PKR	Semarang, Indonesia	FC	....
6326.5	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	
6326.5	CW	WNU32	Slidell Radio, LA	FC	3.0	NOAA reports
						wx broadcasts at 0430 & 1630
6327.0	850/75R	PBC2	Goeree Naval	FC	....	[RNFLN] Dutch Navy
6328.0	CW	OST32	Oostende Radio, Belgium	FC	5.0	
6329.0	FAX	CFH	Maritime Command, Halifax, NS	FC	5.0	Meteo/NOAA re-
			Canada			(Canadian Forces) reports seasonal
						ice broadcasts at 0000 & 2200, plus various test charts, surface analysis, wave analysis, depictions, etc.
6329.0	CW	FXL6	Alborado Island Radio, Spain	FC	....	tactical call
6330.0	850/75R	CFH	Maritime Command, Halifax, NS,	FC	5.0	C. Forces/Meteo
			Canada			
6330.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
			(NOAA reports frequent plain text wx forecasts)			
6330.0	CW	FJP6	Noumea Radio, New Caledonia	FC	1.0	
6330.0	CW	EDF2	Aranjuez Radio, Spain	FC	5.0	
6331.5	CW	UMV2	Murmansk Radio, USSR	FC	5.0	Reported wx
						broadcasts at 0630 & 1700
6332.0	CW	JHC	Choshi Radio, Japan	FC	1.0	
6333.5	CW	VII	Thursday Island, Qld., Australia	FC	1.0	AMVER/NOAA re-
						ports wx broadcasts at 0018 & 0948
6333.5	CW	VIM	Melbourne Radio, Vic., Australia	FC	1.0	NOAA reports
						wx broadcasts at 0948 & 2318
6333.5	CW	VIR	Rockhampton Radio, Qld., Australia	FC	1.0	NOAA reports
						wx broadcast at 0048
6333.5	CW	XSZ	Dalian Radio, PRC	FC	....	NOAA reports
						wx broadcasts at 0050 & 1050
6333.5	CW	GKR	Wick Radio, England	FC	0.3	
			May have discontinued operation—Spring 1984			
6333.5	CW	9HD	Malta Radio, Malta	FC	5.0	
6333.5	CW	WCC	Chatham Radio, MA	FC	10.0	
6334.5	CW	CTH47	Horta Naval, Azores	FC	....	Port. Navy
			(Reported wx broadcasts at 2130 & 2230)			
6334.5	CW	UFM3	Nevelsk Radio, USSR	FC	5.0	
6335.5	CW	VFA	Inuvik CG Radio, NWT, Canada	FC	0.7	
6335.5	CW	ARL	Karachi Naval, Pakistan	FC	10.0	Pakistan Navy
6335.5	CW	DZI	Manila (Bacoar) Radio, Philippines	FC	1.0	Reported wx
						broadcast at 0000
6336.0	CW		SXH (Souda, Crete), SXK (Korfu), SXB(Patras),			Greek Navy

kHz	Mode	Call	Location	Service	kW	Remarks
			SXC (Thessaloniki), SXD (Piraeus)			Greek Navy
6336.1	CW	LZW3	Varna Radio, Bulgaria	FC	5.0	
6336.5	CW	ZRH6	Cape (Fisantekraal) Naval, RSA	FC	....	RSA Navy
6336.8	CW	ZLO3	Irirangi Naval, New Zealand	FC	....	RNZ Navy
6337.0	CW	CBV	Valparaiso Radiomaritime, Chile	FC	0.7	HX
6337.0	CW	PKG	Banjarmassin, Indonesia	FC	....
6337.0	CW	CLA5	Havana (Cojimar) Radio, Cuba	FC	5.0	
6337.0	CW	PKY4	Sorong Radio, Indonesia	FC	0.3	
6337.0	CW	EDG2	Aranjuez Radio, Spain	FC	5.0	
6337.0	CW	WCC	Chatham Radio, MA	FC	10.0	
6337.0	170/50NC	UXN	Arkhangelsk Radio, USSR	FC	10.0	
6338.0	AM	....	RADIO PYONGYANG, PDR Korea	BC	....	Domestic Service
6338.1	CW	ZRQ3	Cape (Simonstown) Naval, RSA	FC	5.0	RSA Navy
			(Wx broadcasts at 1030 & 1830)			
6338.5	CW	DYM	Cebu Radio, Philippines	FC	0.4	
6340.0	CW	XS04	Zhoushan Radio, PRC	FC	....
6340.0	CW	AME3	Madrid, Spain	FC	....	Spanish Navy
6340.0	CW	UEK	Feodosia Radio, USSR	FC	....
6340.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
6340.0	AM	....	Turkiye Polis Radyoso, Turkey	BC	....
6340.5	CW	ETC	Assab Radio, Ethiopia	FC	2.0	
6340.5	CW	9VG9	Singapore Radio, Singapore	FC	3.0	
6340.5	170/75R	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG
6341.4	170/50NC	UNM2	Klaipeda Radio, USSR	FC	....
6341.5	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
6341.5	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	Reported wx
			broadcasts a			
6342.0	CW	GKK3	Portishead Radio, England	FC	5.0	0600 & 1330
6342.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
6344.0	CW	D3L	Luanda Radio, Angola	FC	6.0	
6344.0	CW	SVB3	Athens Radio, Greece	FC	2.5	
6344.0	CW	TFA6	Reykjavik Radio, Iceland	FC	1.5	
6344.0	CW	HLF	Seoul Radio, Republic of Korea	FC	3.5	
6344.0	CW	YJM6	Port-Vila Radio, Vanuatu	FC	0.5	
6345.0	CW	UHK	Batumi Radio, USSR	FC	5.0	
6345.0	CW	UAT	Moscow Radio, USSR	FC	25.0	
6345.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
6345.0	CW	UFL	Vladivostok Radio, USSR	FC	10.0	
6345.0	CW	SXK	Korfu, Greece	FC	....	Greek Navy
6348.0	CW	J2A6	Djibouti Radio, Djibouti	FC	2.5	
6348.0	CW	HWN	Paris (Houilles) Naval, France	FC	2.0	French Navy
6348.0	AM	....	RADIO PYONGYANG, PDR Korea	BC	....	Domestic Service
6348.0	CW	5RS	Tamatave Radio, Madagascar	FC	2.0	
6348.0	CW	FUF	Port de France Naval, Martinique	FC	....	French Navy
6348.0	CW	FUX	Le Port Naval, Reunion	FC	4.0	French Navy
6348.0	CW	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports
			wx broadcasts at 0420, 1620 & 2300			
6350.0	CW	HRW	La Ceiba Radio, Honduras	FC	....
6350.0	CW	6YX	Kingston, Jamaica	FC	....	Jamaican Coast Guard
6351.0	CW	UFW	unknown	FC	....
6351.5	CW	VIB	Brisbane Radio, Qld., Australia	FC	1.0	NOAA reports
			wx broadcasts at 0948 & 2318			
6351.5	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	NOAA reports
			wx broadcasts at 0130, 0530 & 1730			
6351.5	CW	3BM3	Mauritius (Bigara) Radio, Mauritius	FC	4.0	NOAA reports
			wx broadcasts at 0130 & 0430			
6351.5	CW	9MG10	Penang Radio, Malaysia	FC	....
6351.5	CW	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	NOAA reports
			wx broadcasts at 0000 & 0900			
6351.5	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	NOAA reports
			wx broadcasts at 0048 & 0530			
6351.5	CW	CTV6	Monsanto Naval, Portugal	FC	5.0	Port. Navy
6351.5	CW	WMH	Baltimore Radio, MD	FC	5.0	
6351.5	CW	YVG	La Guairia Radio, Venezuela	FC	0.3	
6352.0	CW	FUG3	La Regine Naval, France	FC	....	" "
6352.0	CW	FUC	Cherbourg Naval, France	FC	....
6353.0	425/100N	"31VK"	unknown, probably Europe	....	....	RYRY
6353.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
6354.0	CW	XFM	Manzanillo Radio, Mexico	FC	1.0	Reported wx
			broadcast at 2330			

kHz	Mode	Call	Location	Service	kW	Remarks
6354.0	CW	URD	Leningrad Radio, USSR	FC	5.0	
6355.0	CW	OFJ6	Helsinki Radio, Finland	FC	5.0	
6355.0	CW	PKP2	Telukbayur Radio, Indonesia	FC	0.3	0130-0200, 0530-0600 & 0930-1000
6355.0	CW	PKS	Pontianak Radio, Indonesia	FC	0.3	
6355.0	CW	JHD	Hakodate, Japan	FC	....	Fisheries
6355.0	CW	PZN2	Paramaribo Radio, Suriname	FC	1.0	
6355.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	....
6355.0	170/75N	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG [Primary night frequency]
6357.0	850/75R	AME3	Madrid Radionaval, Spain	FC	1.0	[RETJ] Spanish Navy
6358.5	*850/75R	PBC36	Goeree Island Naval, Netherlands	FC	5.0	Dutch Navy
6358.5	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
6360.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
6360.0	CW	SXE	Aspropyrgos Radio, Greece	FC	3.5	
6360.0	CW	XFQ	Salina Cruz Radio, Mexico	FC	1.0	
6360.0	CW	OBC3	Callao Radio, Peru	FC	1.0	
6360.0	CW	UJY	Kaliningrad Radio, USSR	FC	....
6361.0	CW	KUQ	Pago Pago Radio, American Samoa	FC	2.5	AMVER
6362.0	CW	GYA3	London (Northwood) Naval, England	FC	15.0	British Navy
6362.0	CW	†EQZ	Abadan Radio, Iran	FC	0.5	
6362.0	CW	FUX	Le Port Naval, Reunion	FC	5.0	French Navy
6363.5	*170/ARQ	DAF	Norddeich Radio, GFR	FC	5.0	
6363.5	CW	JFH	Hanajima, Japan	FC	....	Fisheries
6364.5	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
6364.7	CW	†"7CB"	unknown	FC	....
6365.0	850/...e	....	unknown	....	....
6365.0	CW	IRM4	CIRM, Rome Radio, Italy	FC	10.0	AMVER/Medico
6365.0	CW	XFS	Tampico Radio, Mexico	FC	0.5	
6365.0	CW	UVD	Magadan Radio, USSR	FC	10.0	
6365.0	CW	UCP2	Okhotsk Radio, USSR	FC	1.0	Okhotsk Sea
6365.5	CW	UGK2	Kaliningrad Radio, USSR	FC	6.0	
6365.5	CW	KFS	San Francisco Radio, CA	FC	10.0	
6365.5	CW	WPD	Tampa Radio, FL	FC	5.0	
6367.0	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
6368.9	CW	GKA3	Portishead Radio, England	FC	5.0	NOAA reports
				wx broadcasts at 0930 & 2130		
6369.0	CW	D3E41	Luanda Radio, Angola	FC	5.0	
6369.0	CW	XST	Qingdao Radio, PRC	FC	1.0	
6369.0	CW	UQK	Riga Radio, Latvian SSR	FC	5.0	
6369.0	CW	UFJ	Rostov Radio, USSR	FC	5.0	
6369.0	CW	KLC	Galveston (Arcadia) Radio, TX	FC	3.5	NOAA reports DISCONT?
				wx broadcasts at 0530, 1130, 1730 & 2330		
6370.0	CW	XSH	Basuo, PRC	FC	....
6370.0	CW	XSD	Yingkou, PRC	FC	....
6370.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
6370.0	CW	UBE2	Petropavlovsk Radio, USSR	FC	5.0	NOAA reports
				wx broadcasts at 0900, 2000 & 2310/NAVAREA 0900 & 2200		
6371.0	CW	VPS25	Cape D'aguilar Radio, Hong Kong	FC	2.0	NOAA reports wx broadcast at 1318
6371.3	CW	GYU3	Gibraltar Naval, Gibraltar	FC	10.0	British Navy
6371.5	CW	UPD9	Arkhangelsk Radio, USSR	FC	15.0	[RKLM]
6372.0	CW	FDC	Metz Air, France	FX	....	French AF
6372.0	CW	ZSD44	Durban Radio, RSA	FC	3.5	
6372.0	CW	SAG3	Goteborg Radio, Sweden	FC	5.0	AMVER
6372.5	CW	YVM	Puerto Ordaz Radio, Venezuela	FC	....
6374.3	CW	TB02	Izmir Naval, Turkey	FC	....	Turkish Navy
6375.0	CW	HAR	Budapest Naval Radio, Hungary	FC	2.5	
6375.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
6375.0	CW	UGH2	Juzno-Sakhalinsk Radio, USSR	FC	5.0	
6376.0	CW	C6N	Radio Nassau, Bahamas	FC	0.5	Reported wx
				broadcasts at 0130 & 1300		
6376.0	CW	IQH	Naples Radio, Italy	FC	6.0	
6376.0	CW	SPE32	Szczecin Radio, Poland	FC	5.0	
6376.0	CW	†RIT	unknown, probably in USSR	FC	....
6376.0	CW	WCC	Chatham Radio, MA	FC	10.0	Tfc/UPI Nx
6376.0	CW	CWN	Montevideo Armada Radio, Uruguay	FC	2.0	Uruguayan Navy
6376.0	CW	CWN23	Colonia Armada Radio, Uruguay	FC	0.3	" " (HX)
6377.0	425/...e	....	unknown	....	....
6377.0	CW	†"Y4K	unknown	FC	....	Coded Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
6377.7	CW	EBK	Las Palmas Radionaval, Canary Is.	FC	1.0	Spanish Navy
6377.7	CW	AME3	Madrid Radionaval, Spain	FC	1.0	Spanish Navy
6379.0	CW	4XZ	Haifa Naval, Israel	FC	2.0	Israel Navy
6379.5	CW	8PO	Barbados Radio, Barbados	FC	1.0	
6379.5	CW	XSK	Beihai, PRC	FC	....
6379.5	CW	KKB3	Portishead Radio, England	FC	5.0	
6379.5	CW	ZSC21	Cape Town Radio, RSA	FC	10.0	
6379.5	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	10.0	Reported wx broadcast at 0700
6379.5	CW	UBE	Petropavlovsk Radio, USSR	FC	5.0	NOAA reports
6379.5	CW	UFL	Vladivostok Radio, USSR	FC	5.0	NOAA reports
6379.9	CW	GKN3	Portishead Radio, England	FC	5.0	
6380.0	CW	TIM	Limon Radio, Costa Rica	FC	....
6380.0	CW	UQB	Kholmok Radio, USSR	FC	5.0	HX
6381.0	CW	9KK4	Kuwait Radio, Kuwait	FC	5.0	
6382.0	CW	EAD2	Aranjuez Radio, Spain	FC	3.5	
6382.0	CW	TBA6	Ankara, Turkey	FC	....	Turkish Navy
6382.8	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG
6383.0	CW	TYA3	Cotonou Radio, Benin	FC	1.0	
6383.0	CW	XSN	Ningbo Radio, PRC	FC	6.0	
6383.0	CW	OVC	Groen Military	FC	....
6383.0	CW	3XC2	Conakry Radio, Guinea	FC	0.8	
6383.0	AM	....	RADIO ULAN BATOR, Mongolia	BC	50.0	Domestic Service
6383.0	CW	SPH31	Gdynia Radio, Poland	FC	5.0	
6383.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	....
6383.0	CW	UFL	Vladivostok Radio, USSR	FC	5.0	Reported wx broadcast at 1500
6383.0	CW	....	numerous	FA/FC/FX	..	USCG
				[Command Net Calling Frequency]		
6384.5	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	10.0	Canadian Forces/NAWS
6385.0	CW	SXA3	Spata Attikis Naval, Greece	FC	5.0	Greek Navy/NATO
6385.0	CW	AQK	unknown, probably in Pakistan	FC	....	"AQK2/4/5"
6385.0	CW	UFL	Vladivostok Radio, USSR	FC	....	Reported wx broadcast at 1500/NAVAREA at 1500
6386.0	CW	6VA4	Dakar Radio, Senegal	FC	4.0	NOAA reports
6386.3	CW	HKC2	Buenaventura Radio, Columbia	FC	0.5	
6386.5	CW	ZSJ3	NAVCOMCEN (Silvermine) Cape, RSA	FC	5.0	RSA Navy/AMVER
6386.4	CW	UJO3	Izmail Radio, Moldavian SSR	FC	5.0	
6386.5	CW	↑CFH	Maritime Command, Halifax, NS, Canada	FC	10.0	C. Forces
6386.5	CW	VPC	Falkland Islands Radio, Falkland Is.	FC	2.0	
6386.5	825/74R	GYU3	Gibraltar Naval, Gibraltar	FC	....	BRN
6386.5	CW	JGC	Yokohama Radio, Japan	FC	1.0	
6386.5	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
6387.0	CW	HZJ	Dammam Radio, Saudi Arabia	FC	10.0	
6387.9	CW	FUF	Fort de France Naval, Martinique	FC	....	French Navy
6388.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
6388.0	CW	T3Xn	Tarawa, Kiribati	FC	....
6388.0	CW	FUF	Fort de France Naval, Martinique	FC	10.0	French Navy
6388.0	CW	EBA	Madrid Radionaval, Spain	FC	10.0	Spanish Navy
6389.0	CW	CTP94	Oeira Naval, Portugal	FC	5.0	Port. Navy/NATO
6389.6	CW	WNU42	Slidell Radio, LA	FC	3.0	
6390.0	CW	XSQ	Guangzhou Radio, PRC	FC	10.0	Reported wx broadcasts a 0030 & 1230
6390.0	850/...e	....	unknown	....	....
6390.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	
6390.0	CW	JJK	Ominato Radio, Japan	FC	1.0	
6390.0	CW	JYO	Aqaba Radio, Jordan	FC	5.0	
6390.0	CW	AQP2	Karachi Naval, Pakistan	FC	10.0	Pakistan Navy
6390.0	CW	UFB	Odesa Radio, Ukrainian SSR	FC	....
6390.0	CW	UPB	Providenia Bukhta Radio, USSR	FC	5.0	HX
6390.3	CW	IDQ3	Rome Naval, Italy	FC	10.0	Italian Navy/NOAA reports wx broadcasts at 0500, 0830, 1800 & 2100
6390.3	CW	....	numerous, Italy nationwide	FC	....	Italian Navy
6390.3	CW	XFE	Ensenada, Mexico	FC	....

kHz	Mode	Call	Location	Service	kW	Remarks
6391.5	CW	OSN46	Oostende Naval, Belgium	FC	1.0	Belgium Navy
6392.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
6393.0	CW	OVG	Frederikshaven Naval, Denamrk	FC	5.0	Danish Marine
6393.0	CW	DZW	Manila Radio, Philippines	FC	....
6393.5	CW	LPC63	Ushuaia, Argentina	FC	....
6393.5	CW	CUG33	Sao Miguel Radio Azores	FC	2.5	
6393.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
6393.5	CW	CUB29	Madeira Radio, Madeira Islands	FC	2.5	
6393.5	CW	ZLB3	Awarua Radio, New Zealand	FC	5.0	
6393.5	CW	CUL6	Lisbon Radio, Portugal	FC	5.0	
6393.5	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
6394.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
6395.0	CW	UHK	Batumi Radio, Georgian SSR	FC	5.0	HX (Black Sea)
6395.0	CW	TBA3	Izmir Naval, Turkey	FC	2.0	Turkist Navy/ NATO [aka TCA21]
6396.0	FAX	GKN3	Portishead Radio, England	FC	5.0	
6397.0	CW	GKM3	Portishead Radio, England	FC	5.0	
6397.0	CW	JMC3	Tokyo Radio, Japan	FC	4.0	NOAA reports
			wx broadcasts at 0318, 0648, 0918, 1148, 1518, 1748, 2118 & 2348			
6397.9	*170/ARQ	GK03	Portishead Radio, England	FC	5.0	
6398.0	CW	SPH32	Gdynia Radio, Poland	FC	5.0	
6399.0	850/75R	†EBD	Cartagena Radionaval, Spain	FC	....	Spanich Navy
6400.0	*170/50Nc	UON	Baku Radio, Azerbaijan SSR	FC	5.0	
6400.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
6400.0	CW	UCY2	Astrakhan Radio, Kalmyk ASSR	FC	5.0	Caspian Sea
6400.0	CW	UMV	Murmansk Radio, USSR	FC	5.0	HX
6400.5	CW	ED22/EAD	Aranjuez Radio, Spain	FC	5.0	
6401.0	AM	....	RADIO PYONGYANG, North Korea	BC	....	External Service
6402.0	CW	GKS3	Portishead Radio, England	FC	5.0	
6402.0	CW	DZE	Mandaluyong Radio, Philippines	FC	....
6402.5	CW	LZS24	Sofia Naval Radio, Bulgaria	FC	....
6404.0	CW	LPD44	Gen. Pacheco Radio, Argentina	FC	5.0	
6404.0	CW	PCH30	Scheveningen Radio, Netherlands	FC	3.0	
6405.0	CW	LZW32	Varna Radio, Bulgaria	FC	5.0	
6405.0	CW	PJK26	Suffisant Dorf Naval, Curacao	FC	6.0	Dutch Navy
6405.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	Reported wx broadcast at 1030
6405.0	*170/50Nc	UVD	Magadan Radio, USSR	FC	5.0	
6405.0	170/50Nc	UFN	Novorossiysk Radio, USSR	FC	15.0	
6405.0	*170/50Nc	UFH	Petropavlovsk Radio, USSR	FC	5.0	
6405.0	CW	CCP	Puerto Montt Naval, Chile	FC	....	Chilean Navy
			(Reported wx broadcasts at 0030, 1230 & 1830)			
6407.5	CW	VIC	Carnarvon Radio, WA, Australia	FC	1.0	AMVER
			(NOAA reports wx broadcasts at 0148 & 1130)			
6407.5	CW	VIE	Esperance Radio, WA, Australia	FC	1.0	NOAA reports
			wx broadcasts at 0048 & 1148			
6407.5	CW	VIO	Broome Radio, WA, Australia	FC	1.0	AMVER
			(NOAA reports wx broadcasts at 0118 & 1230)			
6407.5	CW	VIP2	Perth Radio, WA, Australia	FC	1.0	HX
6407.5	CW	XSL	Fuzhou Radio, PRC	FC	0.5	
6407.5	CW	GKC3	Portishead Radio, England	FC	5.0	
6407.5	CW	JFE	Naha, Okinawa, Japan	FC	....	Fisheries
6407.5	CW	UXN	Arkhangelsk Radio, USSR	FC	....
6408.0	CW	DZA	Mandaluyong Radio, Philippines	FC	....
6408.5	CW	EBA	Madrid Radionaval, Spain	FC	10.0	Spanish Navy
6409.5	CW	IAR6	Rome P.T. Radio, Italy	FC	5.0	
6410.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
6410.0	CW	ARRH	Gwadar Naval, Pakistan	FC	6.0	Pakistan Navy
6410.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	HX
6410.0	CW	UHK	Batumi Radio, USSR	FC	5.0	
6411.0	CW	LPD41	Gen. Pacheco Radio, Argentina	FC	3.0	
6411.0	CW	OST3	Oostende Radio, Belgium	FC	5.0	
6411.0	CW	SVF3	Athens Radio, Greece	FC	2.5	
6411.0	CW	50W6	Lagos Radio, Nigeria	FC	1.0	
6411.0	CW	DZF	Manila (Bacoar) Radio, Philippines	FC	0.4	Reported wx broadcasts at 1600 & 2200
6411.0	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
6411.0	CW	UKA	Vladivostok Radio, USSR	FC	10.0	
6411.4	CW	WOE	Lantana Radio, FL	FC	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
6412.0	CW	9VG55	Singapore Radio, Singapore	FC	3.0	NOAA reports wx broadcasts at 0120 & 1320
6413.7	CW	GYC3/GYA	London (Northwood) Naval, England	FC	5.0	[B13A] British Navy
6414.1	CW	ASK	Karachi Radio, Pakistan	FC	3.0	
6414.1	CW	WSL	Amagansett Radio, NY	FC	10.0	
6414.5	CW	S3D	Chittagong Radio, Bangladesh	FC	6.0	
6414.5	CW	CBM2	Magallanes (Punta Arenas) R., Chile	FC	2.0	
6414.5	CW	XSG	Shanghai Radio, PRC	FC	1.0	TIME SIGNALS (NOAA reports wx broadcasts at 0306 & 0906)
6414.5	CW	XFA	Acapulo Radio, Mexico	FC	0.5	
6414.5	CW	UOP	Tuapse Radio, USSR	FC	5.0	[RPLT]
6415.0	CW	7TA4	Algiers Radio, Algeria	FC	5.0	
6415.0	CW	SKA35	Piraeus Naval, Greece	FC	....	Greek Navy
6416.0	CW	UJQ	Kiev Radio, Ukrainian SSR	FC	5.0	
6416.0	CW	WSL	Amagansett Radio, NY	FC	10.0	
6417.0	CW	DZP	Manila (Novaliches) R., Philippines	FC	3.0	
6417.0	CW	URX	Nakhodka Radio, USSR	FC	5.0	
6418.0	CW	VTP5	Vishakhapatnam Naval, India	FC	5.0	Indian Navy
6418.0	CW	IQX	Trieste P.T. Radio, Italy	FC	2.0	
6418.0	CW	WSL	Amagansett Radio, NY	FC	10.0	
6418.2	CW	IAR26	Rome P.T. Radio, Italy	FC	7.0	
6419.0	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
6420.0	RTTY	PWZ	Rio de Janeiro Naval, Brazil	FC	5.0	Brazilian Navy
6420.0	CW	IRM5	CIRM, Rome Radio, Italy	FC	5.0	Medico
6420.0	CW	UJQ7	Kiev Radio, Ukrainian SSR	FC	5.0	
6420.0	CW	UN02	Severo Kurilsk Radio, USSR	FC	....
6420.0	CW	UKZ3	unknown	FC	....
6421.5	CW	FPL3	St. Lys Radio, France	FC	5.0	
6421.5	CW	JFX	Kagoshima, Japan	FC	....	Fisheries
6421.5	CW	UJ03	Izmail Radio, Ukrainian SSR	FC	6.0	
6423.0	CW	LZL3	Bourgas Radio, Bulgaria	FC	1.0	
6423.0	CW	DZE	Mandaluyong Radio, Philippines	FC	0.4	
6423.0	CW	ZSC47	Cape Town Radio, RSA	FC	10.0	
6424.0	CW	9CA	Takoradi Radio, Ghana	FC	5.0	
6425.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
6425.0	CW	SXD	Piraeus, Greece	....	....	Greek Navy
6425.0	CW	SUP	Port Said Radio, Egypt	FC	2.0	
6425.0	CW	OFJ62	Helsinki Radio, Finland	FC	5.0	
6425.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
6425.0	CW	URD	Leningrad Radio, USSR	FC	5.0	
6426.0	CW	DZR	Manila Radio, Philippines	FC	5.0	
6427.0	CW	UNM2	Klaipedia Radio, Lithuanian SSR	FC	5.0	
6427.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....
6428.5	CW	VHP3	COMMSTA Canberra, ACT, Australia	FC	5.0	RA Navy
6428.5	CW	VIX	Master Station Canberra, Australia	FC	5.0	NOAA reports wx broadcasts at 0130, 0530, 0930, 1330, 1730 & 2130
6428.5	CW	XSU	Yantsi, PRC	FC	....
6428.5	CW	GKD3	Portishead Radio, England	FC	5.0	
6428.5	CW	YSM	Ruegen Radio, GDR	FC	5.0	
6428.5	CW	PKM	Bitung Radio, Indonesia	FC	1.0	
6428.5	CW	PKE5	Ternate Radio, Indonesia	FC	....
6428.5	CW	NPG	NAVCOMMSTA San Francisco, CA	FC	10.0	USN/TIME SIGNALS
6429.0	CW	DZD	Manila (Antipolo) R., Philippines	FC	0.4	Reported wx broadcasts at 0300 & 1100
6430.0	CW	CFH	Maritime Command Radio, Halifax, NS, Canada (Canadian Forces)	FC	10.0	[C13L] NOAA reports wx broadcasts at 0200, 0630, 1300 & 1800/Seasonal ice warning broadcasts at 0230 & 1430
6430.0	850/75R	CFH	Halifax, NS, Canada	FC	10.0	[C13LR] C. Forces NAWS Nx EE 1000
6430.0	CW	4X0	Haifa Radio, Israel	FC	2.5	
6430.0	CW	UKJ	Astrakhan Radio, USSR	FC	1.0	Caspian Sea
6430.0	CW	UGG9	Belomorsk Radio, USSR	FC	5.0	
6430.0	CW	UKA	Vladivostok Radio, USSR	FC	10.0	Reported
NAVEAREA broadcast at 1730						
6432.0	CW	DZZ	Manila Radio, Philippines	FC	....
6432.0	CW	LGU	Rogaland Radio, Norway	FC	5.0	AMVER
6433.0	CW	GYA	London (Northwood) Naval, England	FC	5.0	British Navy

kHz	Mode	Call	Location	Service	kW	Remarks
6434.0	CW	ZAD2	Durres Radio, Albania	FC	1.0	
6434.0	CW	JGE	Yokohama, Japan	FC	.....
6435.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
6435.0	CW	ICT	Taranto Radio, Italy	FC	....
6435.0	CW	XFB	Cuidad del Carmen, Mexico	FC	....
6435.0	CW	XFY	Guaymas, Mexico	FC	....
6435.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	(NOAA reports wx broadcasts at 1030 & 2330)
6435.5	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	....	Brazilian Navy/ Reported wx broadcasts at 0030, 0630 & 1800/NAVAREA at 0200, 1330 & 2000
6435.5	CW	XSK4	Haimen, PRC	FC	....
6435.5	CW	XSI	Sanya, PRC	FC	....
6435.5	CW	DAN	Norddeich Radio, GFR	FC	5.0	
6435.5	CW	IDR3	Rome Naval Radio, Italy	FC	10.0	Italian Navy
6435.5	CW	ZLP3	Irirangi Naval, New Zealand	FC	10.0	RNZ Navy
6435.5	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	
6435.9	CW	WPA	Port Arthur Radio, TX	FC	5.0	
6438.0	FAX	GZZ	London (Northwood) Naval, England	FC	5.0	British Navy/ Meteo
6439.0	CW	OXZ31	Lyngby Radio, Denmark	FC	5.0	
6439.0	CW	XFP	Chetumal, Mexico	FC	.....
6439.0	CW	UKK3	Nakhodka Radio, USSR	FC	5.0	HX
6440.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
6440.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
6440.0	CW	UFN	Novorossiysk Radio, USSR	FC	....
6440.9	CW	DZG	Manila (Las Pinas) R., Philippines	FC	5.0	AMVER(NOAA re-ports wx broadcasts at 0300 & 1500)
6442.0	CW	XSE	Qinhuangdao, PRC	FC	....
6442.5	CW	XF2	Manzanillo Radio, Mexico	FC	1.0	
6442.5	CW	XFS3	Tampico Radio, Mexico	FC	1.0	
6442.5	CW	XFU2	Veracruz Radio, Mexico	FC	1.0	
6443.0	CW	UCW4	Leningrad Radio, USSR	FC	....
6444.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	4.0	
6444.5	CW	SVD3	Athens Radio, Greece	FC	5.0	
6445.0	CW	ROT2	Moscow Naval, USSR	FC	5.0	Russian Navy
6445.0	CW	UFL	Vladivostok Radio, USSR	FC	5.0	
6445.4	CW	WLO	Mobile Radio, AL	FC	10.0	
6445.5	CW	KN	Vancouver Forces Radio, BC, Canada	FC	10.0	(NOAA reports (Canadian Forces) wx broadcasts at 0030, 0430 & 1300)
6445.0	CW	SXB	Patras, Greece	FC	....	Greek Navy
6446.0	CW	DZR	Manila Radio, Philippines	FC	2.0	(NOAA reports wx broadcasts at 0120)
6446.0	CW	MTO	Rosyth Naval, Scotland	FC	....	BRN
6446.0	CW	WLO	Mobile Radio, AL	FC	10.0	(NOAA reports wx broadcasts at 1300 & 2300)
6446.8	CW	OXZ3	Lyngby Radio, Denmark	FC	5.0	Nx 1330-1400
6447.0	850/75R	AME3	Madrid Radionaval, Spain	FC	....	Spanish Navy
6447.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
6447.0	CW	UFH	Petropavlosk Radio, USSR	FC	5.0	
6448.0	CW	LZW3	Varna Radio, Bulgaria	FC	5.0	
6449.5	CW	FFS3	St. Lys Radio, France	FC	5.0	
6449.5	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
6450.0	CW	HSX	Songkhla Naval, Thailand	FC	3.0	Royal Thai Navy
6450.0	CW	HSY	Sattahip Naval, Thailand	FC	3.0	" " "
6450.0	CW	HSZ	Bangkok Naval, Thailand	FC	3.0	" " "
6451.0	CW	HLG	Seoul Radio, South Korea	FC	5.0	
6451.5	CW	SAB3	Goteborg Radio, Sweden	FC	5.0	
6452.0	CW	XSG	Shanghai Radio, PRC	FC	1.0	
6453.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	5.0	Brazilian Navy
6453.0	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	....	wx at 0000,0300,0906
6454.0	CW	XSG24	Shanghai, PRC	FC	....
6454.0	CW	CLA4	Havana (Cojimar) Radio, Cuba	FC	5.0	
6454.0	*FAX	LOK	Orcadas Radio, South Orkney Islands	FC	1.5	(NOAA reports wx broadcast at 1625) [Some seasonal FAX ice warnings]
6455.0	CW	UON	Baku Radio, Azerbaijan SSR	FC	5.0	
6455.0	CW	UDK2	Murmansk Radio, USSR	FC	5.0	
6456.0	CW	DAL	Norddeich Radio, GFR	FC	5.0	
6456.5	CW	PKB20	Lhok Seumawe Radio, Indonesia	FC	1.0	
6456.5	CW	PKJ20	Sekupang Radio, Indonesia	FC	1.0	

kHz	Mode	Call	Location	Service	kW	Remarks
6456.5	CW	PKN2	Balikpapan Radio, Indonesia	FC	0.5	
6456.5	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
6456.5	CW	PKR6	Cilacap Radio, Indonesia	FC	0.4	HX
6456.5	CW	PKY41	Sorong Radio, Indonesia	FC	1.0	
6457.5	CW	JOR	Nagasaki Radio, Japan	FC	5.0	
6458.0	CW	XSM	Xiamen, PRC	FC	....
6459.0	CW	SPE31	Szczecin Radio, Poland	FC	5.0	
6460.0	CW	LSA3	Boca Radio, Argentina	FC	1.0	
6460.0	170/ARQ	SAB33	Goteborg Radio, Sweden	FC	5.0	
6460.0	*170/50Nc	UJQ/UJQ7	Kiev Radio, Ukrainian SSR	FC	5.0	
6460.0	*170/50Rc	UAT	Moscow Radio, USSR	FC	25.0	
6460.0	CW	UKA	Vladivostok Radio, USSR	FC	15.0	
6461.0	CW	XSQ	Guangzhou Radio, PRC	FC	1.0	HX
6461.0	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	
6462.0	CW	FUM	Papeete Mahina Naval, Tahiti	FC	....	French Navy
6463.4	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
6463.5	CW	VIA	Adelaide Radio, SA, Australia	FC	1.0	(NOAA reports wx broadcasts at 0018 & 1018)
6463.5	CW	VID	Darwin Radio, NT, Australia	FC	1.0	AMVER
6463.5	CW	VIT	Townsville Radio, Qld., Australia	FC	1.0	AMVER (NOAA reports wx broadcasts at 0930 & 2348)
6463.5	CW	XSP	Shanton, PRC	FC	....
6464.0	CW	VIS3	Sydney Radio, NSW, Australia	FC	2.5	AMVER
6464.8	850/50N	IDR	Rome Naval, Italy	FC	....	Italian Navy
6465.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
6465.0	CW	UKA	Vladivostok Radio, USSR	FC	5.0	
6465.0	425/50R	IER23	Rome, Italy	FX	....	Italian Finance Guard
6466.0	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
6466.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
6467.0	CW	VTG5	Bombay Naval, India	FC	5.0	Indian Navy
6467.0	CW	JCS	Choshi Radio, Japan	FC	3.0	
6467.0	CW	LFU	Rogaland Radio, Norway	FC	5.0	AMVER
6467.0	CW	ARN	Jiwani Naval, Pakistan	FC	5.0	Pakistan Navy
6467.0	CW	HPN60	Canal Radio, Panama	FC	....
6467.0	CW	ZSC36	Cape Town Radio, RSA	FC	10.0	
6467.0	170/75N	NMA	COMMSTA Miami, FL	FC	5.0	USCG (Reported wx broadcasts at 0130, 0900 & 1500)
6468.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	(NOAA reports wx broadcasts at 0200 & 1400)
6468.1	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	
6469.0	CW	HSX	Songkhla Naval, Thailand	FC	1.0	Royal Thai Navy
6469.0	CW	HSY	Sattahip Naval, Thailand	FC	1.0	" " "
6469.0	CW	HSZ	Bangkok Naval, Thailand	FC	1.0	" " "
6469.3	CW	GKG3	Portishead Radio, England	FC	5.0	
6470.0	CW	JCX	Naha Radio, Okinawa, Japan	FC	10.0	
6470.0	CW	UXN	Arkhangelsk Radio, USSR	FC	5.0	
6470.0	CW	UQD2	Magadan Radio, USSR	FC	5.0	[RWHC]
6470.1	CW	SXA24	Spata Attikis Naval, Greece	FC	....	Greek Navy/NATO
6470.5	CW	4X0	Haifa Radio, Israel	FC	2.5	
6470.5	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
6470.5	CW	9MG10	Penang Radio, Malaysia	FC	5.0	
6470.5	CW	9YL	North Post Radio, Trinidad	FC	1.0	(NOAA reports wx broadcast at 2300)
6470.8	CW	GKH3	Portishead Radio, England	FC	5.0	
6471.0	CW	DXR	Manila, Philippines	FC	....
6472.3	CW	GKI3	Portishead Radio, England	FC	5.0	
6473.0	CW	RNO	Moscow Radio, USSR	FC	....
6473.5	CW	YQ13	Constanta Radio, Rumania	FC	5.0	
6474.0	CW	JJF	Tokyo Naval, Japan	FC	2.0	JMSDF
6474.0	CW	OBC3	Callao, Peru	FC	....
6474.0	CW	OBQ5	Iquitos Radio, Peru	FC	0.5	
6474.0	CW	DYV	Manila (Iloilo) Radio, Philippines	FC	0.4	
6474.0	170/....	....	unknown	FC	....
6475.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	....
6475.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
6475.0	CW	9MB3	Penang Naval, Malaysia	FC	....	Malaysian Navy
6475.0	CW	UAT	Moscow Radio, USSR	FC	5.0	
6475.0	CW	"YQBF"	unknown	FX	....	clg XUQC/VVV's
6475.5	CW	DAM	Norddeich Radio, GFR	FC	5.0	TIME SIGNALS (2355-0006 spring & summer months only)

kHz	Mode	Call	Location	Service	kW	Remarks
6477.0	CW	DZU	Manila (Pasig), Philippines	FC	....
6477.5	CW	GKJ3	Portishead Radio, England	FC	5.0	
6477.5	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
6477.5	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	5.0	Black Sea (HX)
6477.6	CW	KPH	San Francisco Radio, CA	FC	5.0	
6478.0	CW	DYH	Cabu, Philippines	FC	....
6478.0	CW	ZSC34	Cape Town Radio, RSA	FC	10.0	
6478.5	CW	SVA3	Athens Radio, Greece	FC	10.0	
6479.0	CW	JYO	Agaba, Jordan	FC	....
6479.0	CW	9MB3	Penang Naval Radio, Malaysia	FC	....
6479.8	CW	9MB2	Penang Naval, Malaysia	FC	....	Malaysian Navy
6480.0	CW	9GX	Tema Radio, Ghana	FC	5.0	
6480.0	AM	...	unknown			
6480.0	*170/50Nc	UMV	Murmansk Radio, USSR	FC	25.0	
6481.0	CW	JJJ	Maizuru Radio, Japan	FC	1.0	
6481.0	*170/50Nc	URD	Leningrad Radio, USSR	FC	25.0	
6481.5	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
6482.0	FAX	TFA	Reykjavik, Iceland	FC	....
6483.0	CSW	UFB	Odessa Radio, Ukrainian SSR	FC	....
6483.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
6484.0	CW	LZL3	Burgas Radio, Bulgaria	FC	....
6484.5	CW	XSV	Tianjin Radio, PRC	FC	1.0	
6484.5	CW	XFL	Mazatlan Radio, Mexico	FeC	....
6485.0	CW	JCU	Choshi Radio, Japan	FC	3.0	
6485.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
6486.0	CW	DZH	Manila Radio, Philippines	FC	0.3	
6487.0	CW	GXH	NAVCOMMSTA Thurso, Scotland	FC	5.0	USN
6487.0	CW	UKW3	Korsakov Radio, USSR	FC	1.0	
6487.5	CW	VRT	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	
6488.0	CW	D4A5	Sao Vicente Radio, Cape Verde	FC	3.0	
6488.0	CW	JJG3	Yokosuka Radio, Japan	FC	0.5	
6488.0	CW	†C9L2	Maputo Radio, Mozambique	FC	0.5	
6488.5	850/...e	FUF	Fort de France Naval, Martinique	FC	1.0	French Navy
6489.0	CW	XSJ	Zhanjiang, PRC	FC	....
6489.0	CW	DYD2	Cebu Radio, Philippines	FC	....
6489.0	CW	KPH	San Francisco Radio, CA	FC	5.0	
6490.0	CW	UJE	Moscow Radio, USSR	FC	....
6490.5	825/74R	FUE	Brest Naval, France	FC	....	French Navy
6490.7	CW	†GYA	London (Northwood) Naval, England	FC	10.0	British Navy
6491.5	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
6491.5	CW	PJC	Curacao (Willemstad) Radio, Curacao	FC	2.5	NOAA reports seasonal (7/15-11/14) hurricane warnings broadcast at 0000 & 2300)
6491.5	CW	PKC	Palembang Radio, Indonesia	FC	1.0	
6491.5	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
6491.5	CW	9MP22	Matadi Radio, Malaysia	FC	....
6491.5	850/...e	FUF	Fort de France Naval, Martinique	FC	1.0	French Navy
6491.5	850/...e	FUJ	Noumea Naval, New Caledonia	FC	1.0	French Navy
6491.5	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
6491.5	CW	9PA	Banana Radio, Zaire	FC	....
6492.0	CW	DZM	Manila (Bulacan) Radio, Philippines	FC	10.0	
6492.3	FAX	GYJ3	London (Northwood) Naval, England	FC	....	Meteo (0450 & 1545)
6492.3	850/...e	FUX	Le Port Naval, Reunion	FC	5.0	French Navy
6493.0	CW	VFC	Cambridge Bay, NWT, Canada	FC	....	Summer
6493.0	*F1B	OSN56	Oostende Naval, Belgium	FC	1.0	Belgium Navy
6493.0	CW	VFF	Frobisher CG Radio, NWT, Canada	FC	1.0	AMVER (NOAA reports wx broadcasts at 0200, 1100, 1400 & 2300)
6493.0	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	
6493.0	CW	†UNM2	Klaipedia Radio, Lithuanian SSR	FC	5.0	
6493.0	CW	....	numerous, worldwide	FC	....	USN
6493.2	CW	YIR	Basrah Control, Iraq	FC	1.5	(NOAA reports wx forecasts on request)
6493.5	*170/50Nc	URB2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
6494.5	*170/ARQ	SAB201	Goteborg Radio, Sweden	FC	5.0	
6495.0	*170/ARQ	GKE3	Portishead Radio, England	FC	10.0	
6495.0	F7B	RUD53	Vladivostok, USSR	FX	50.0	
6496.5	*170/ARQ	PCH35	Scheveningen Radio, Netherlands	FC	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
6496.8	*170/ARQ	OST32	Oostende Radio, Belgium	FC	10.0	
6497.9	*170/ARQ	LGU2	Rogaland Radio, Norway	FC	5.0	
6498.5	CW	SSF	Port Said Naval, Egypt	FC	0.3	Egyptian Navy
			(Also using this frequency: SSG, Matrouh; SSL, Alexandria--all Egyptian Navy)			SSJ, Safaga &
6499.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	5.0	
6499.5	170/ARQ	WFN	Louisville, KY	FC	5.0	
6500.0	CW	OBQ5	Iquitos Radio, Peru	FC	....
6500.0	170/ARQ	UAT	Moscow Radio, USSR	FC	....
6500.5	*170/ARQ	KPH	San Francisco Radio, CA	FC	5.0	
6501.5	*170/ARQ	WLO	Mobile Radio, AL	FC	5.0	
6502.0	CW	†C9C5	Maputo Naval, Mozambique	FC	3.0	TIME SIGNALS
6504.0	*170/ARQ	†ZUD76	Olifantsfontein Radio, RSA	FC	5.0	
6504.5	*170/ARQ	WCC	Chatham Radio, MA	FC	....
6505.0	850/50R	†ZRH3	Cape (Fisentekraal) Naval, RSA	FC	....	RSA Navy
6505.0	*170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	5.0	
6505.2	USB	....	unknown various stations with mil calls			"Charlie 6 Channel"
			XRAY SIERRA	DELTA GOLF	MIKE KILO ZULU ECHO	
6505.5	CW	NMN	COMMSTA Portsmouth, VA	FC	5.0	USCG
			6506.4 - 6521.9 kHz — MARITIME COAST USB DUPLEX (Worldwide)			
6506.4	USB	NOJ	COMMSTA Kodiak, AK	FC	10.0	CH#601 (6200.0)
			USCG(NOAA reports wx broadcasts at 0200 & 1645)			
6506.4	USB	NOX	COMMSTA Adak, AK	FC	10.0	USCG CH#601 (6200.0)
			USCG(NOAA reports wx broadcast at 1330 & 1900)			
6506.4	USB	NRV	COMMSTA Barrigada, Guam	FC	10.0	CH#601 (6200.0)
			USCG(NOAA reports wx broadcasts at 0545 & 1145)			
6506.4	USB	NMO	COMMSTA Honolulu, HI	FC	10.0	CH#601 (6200.0)
			USCG(NOAA reports wx broadcasts at 0400, 0530, 1000, 1130, 1600, 2200 & 2330)			
6506.4	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA & NMR, San Juan, PR			
6509.5	USB	CFH	Maritime Command, Halifax, NS, Canada (Canadian Forces)	FC	10.0	CH#602 (6203.1)
6509.5	USB	CGF	Halifax Radio, NS, Canada	FC	1.0	" "
6509.5	USB	CGK	Vancouver Radio, BC, Canada	FC	1.0	" "
6509.5	USB	CGZ	St. Johns Radio, Nfld., Canada	FC	1.0	" "
6509.5	USB	PCG31	Scheveningen Radio, Netherlands	FC	10.0	" "
6509.5	USB	CUL	Lisbon Radio, Portugal	FC	5.0	" "
6509.5	USB	....	This frequency also used by NOAA Coastal Stations: KWL21, Auke Bay, AK; KWL43, King Salmon, AK; KWL39, Little Port Walter, AK; KAI, San Juan, PR; KAC, Woods Hole, MA; KAF, Atlantic Highlands, NJ; KBR, Beaufort, NC; KHW, Pascagoula, MS; KJS, Kings Point, NY; KVVH, "Atlantic Marine Center", Norfolk, VA; KVK, Miami, FL; KVVJ, Seattle, WA & KVR, Detroit, MI			
6510.0	CW	TRP8	Shell Gamba Radio, Gabon	FC	....
6512.6	USB	LPL30	Gen. Pacheco Radio, Argentina	FC	10.0	CH#603 (6206.2)
6512.6	USB	VIO	Broome Radio, WA, Australia	FC	1.0	" "
6512.6	USB	VIC	Carnarvon Radio, WA, Australia	FC	1.0	" "
6512.6	USB	VID	Darwin Radio, NT, Australia	FC	1.0	" "
6512.6	USB	VII	Thursday Island, Qld., Australia	FC	1.0	" "
6512.6	USB	VIP	Perth Radio, WA, Australia	FC	1.0	" "
6512.6	USB	VIR	Rockhampton Radio, Qld., Australia	FC	1.0	" "
6512.6	USB	VIS	Sydney Radio, NSW, Australia	FC	1.0	" "
6512.6	USB	VIT	Townsville Radio, Qld., Australia	FC	1.0	" "
			(All of the above Australian Coastal Stations accept AMVER)			
6512.6	USB	....	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	CH#603 (6206.2)
6512.6	USB	NMG	COMMSTA New Orleans, LA	FC	5.0	USCG CH#603
			[May be used for special law enforcement activities when required]			
6515.7	USB	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	CH#604 (6209.3)
			(NOAA reports wx on request)			
6515.7	USB	KRV	Ponce Radio, PR	FC/MS	1.0	Coastal Waterway
6515.7	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
6515.7	USB	WJG	Memphis, TN	FC/MS	0.8	" "

kHz	Mode	Call	Location	Service	kW	Remarks
6518.8	USB	VAI	Vancouver CG Radio, BC, Canada	FC	1.0	CH#605 (6212.4)
6518.8	USB	VCS	Halifax CG Radio, NS, Canada	FC	1.0	" "
6518.8	USB	....	Lynby Radio, Denmark	FC	10.0	" "
6518.8	USB	....	Goteborg Radio, Sweden	FC	10.0	" "
6518.8	USB	WAH	Virgin Is. (St. Thomas) Radio	FC	1.0	" "
6518.8	USB	WCK	St. Louis (Granite City, IL), MO	FC/MS	1.0	Inland Waterway
6518.8	USB	....	Izmail Radio, Ukrainian SSR	FC	....	CH#605 (6212.4)
6518.8	USB	....	Coast & Ship Duplex Frequency	FC	....	" "
			Inland & intercoastal waterway traffic--mostly North & South America. Some simplex operation with ships & oil rigs.			
6518.8	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
6518.8						
6520.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
6521.9	USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#606 (6215.5)
6521.9	USB	....	Coast & Ship Duplex Frequency	FC	....	CH#606 (6215.5)
			Inland & intercoastal waterway traffic--mostly North & South America. Some simplex operation with ships & oil rigs. Frequently heard in North America: KLH, Houston TX; WNK, Greenville, MS; etc.			
	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
6522.0	B8E	....	Underground propaganda activities in Central America			
6524.9			6525.0 - 6765.0 kHz — AERONAUTICAL MOBILE (Worldwide)			
6526.0	USB	....	Berne LDOC	FA/MA	...	
6526.0	USB	....	unknown			
6532.0	USB	....	numerous (ICAO CWP-1/CWP-2)	FA/MA	...	Airports & enroute throughout the Western Pacific--usually heard are the Beijing, Guam/Agana, Guangzhou, Hong Kong, Honolulu, Manila, Okinawa/Naha, Port Moresby, Pyongyang, Seoul, Shanghai, Taipei, Tokyo, etc. airports
6535.0	USB	VXV72	Frobisher Radio, NWT, Canada	FA/MA	0.1	
6535.0	USB	....	numerous (ICAO AFI-1)	FA/MA	...	Airports & enroute throughout all of Northwestern Africa--usually heard are the Abidjan, Bamako, Casablanca, Conakry, Freetown, Lisbon, Monrovia/Roberts, Niamey, Nouadhibou, Nouakchott, Ouagadougou, etc. airports
6535.0	USB	....	numerous (ICAO SAT-1/SAT-2)	FA/MA	...	Airports & enroute over the mid South Atlantic Ocean crossing--usually heard are the Brasilia, Dakar, Canaries Radio, Recife & Sal airports
6538.0	USB	....	VOLMET freq available AFI/SAT=Algiers, Dakar, Kano & Khartoum			
6538.0	CW	....	unknown	FX	....	Coded Tfc
6540.0	AM	....	RADIO PYONGYANG, North Korea	BC	....	Svc/Japan/0900-1455
6542.0	USB	....	unknown clg "050"	FA	....
6547.0	USB	PRQ863	Recife Radio, Brazil	FA/MA	0.5	
6547.0	USB	PYD753	Congohas Radio, Brazil	FA/MA	0.5	
6547.0	USB	PQA5	Porto Alegre Radio, Brazil	FA/MA	0.5	
6553.0	USB	....	numerous (ICAO SP-9)	FA/MA	...	Regionally allocated to the airports & enroute among the islands in the South Pacific--filed are Alofi, Apia, (T2U) Funafuti, (3DN) Nandi, Nauru, Noumea, (YJB7002) Port-Vila, Raratonga, Tarawa, Tongatapu, Wallis, etc. airports
6555.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service
6556.0	USB	....	numerous (ICAO SEA-1/SEA-3)	FA/MA	...	Airports & enroute throughout all of southern Asia--usually heard are the Bangkok, Bombay, Calcutta, Cocos, Colombo, Dhaka, Darwin, Jakarta, Kathmandu, Kuala Lumpur, Madras, Male, New Delhi, Perth, Rangoon, Singapore, Ujung Pandang, etc. airports
6559.0	USB	....	Douala Radio, Cameroon	FA/MA	1.0	
6559.0	USB	....	Garoua Radio, Cameroon	FA/MA	1.0	
6560.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
6562.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
6562.0	USB	....	numerous (ICAO CWP-1/CWP-2)	FA/MA	...	Airports & enroute throughout the Western Pacific--usually heard are

kHz	Mode	Call	Location	Service	kW	Remarks
			the Beijing, Guam/Agana, Guangzhou, Hong Kong, Honolulu Manila, Okinawa/Naha, Port Moresby, Pyongyang, Seoul, Shanghai, Taipei, Tokyo, etc. airports			
6568.0	....	....	Speedbird, London	FA/MA	...	
6568.0	USB	Pailton	Test EGBP AERAD#384			
6568.0	USB	....	restricted (ICAO W-CAR)	FA/MA	...	Regionally al- located to in-flight between Kingston and Tegucigalpa airports
6571.0	USB	....	numerous (ICAO EA-1)	FA/MA	...	Regionally al- located to the airports & enroute throughout mainland Asia--filed are Beijing, Irkutsk, Kunming, Pyongyang, Shanghai, Ulan Bator, Wulumuqi, Guangzhou, etc. airports
6574.0	USB		Cairo (Domestic Flights, only) AERAD#384			
6576.0	AM	....	RADIO PYONGYANG, North Korea	BC	....	Svc/EUR/RR
6577.0	USB	....	numerous (ICAO E-CAR/CAR-A)	FA/MA	...	Airports & en- route cperving all of the Caribbean-- usually heard are the Barranquilla, Caracus/Maiquetia, Cayenne, Curacao, Havana/ Boyeross, Kingston, Miami, Nassau, Panama, Paramaribo, Port au Prince, Port of Spain/Piarco, San Andres, San Juan, Santo Domingo/Caucedo, etc. airports
6580.0	USB	4XL	Lod Radio, Israel	FA	1.0	
6580.0	USB	....	VOLMET freq available to Prague & Tel Aviv/Ben Gurion			
6586.0	USB	....	numerous (ICAO W-CAR)	FA/MA	...	Airports & en- route covering the western CARibbean--usually heard are the Guatemala City, Havana/Boyeross/ Kingston, Merida, Miami, New Orleans, Panama, San Andres, Santiago de Cuba, Tegucigalpa, etc. airports
6592.0	USB	....	numerous (ICAO NCA-2)	FA/MA	...	Regionally al- located to the USSR--filed are Irkutsk, Krasnoyarsk, Novo- sibirsk, Yeniseysk, etc. airports
6595.0	USB		Teheran AERAD#384			
6596.0	USB		Moscow (Vnukovo) Radio, USSR	FA	....	VOLMET/RR (15+45)
6598.0	USB	....	numerous (ICAO EUR-A)	FA/MA	...	Airports & en- route covering virtually all of Europe--usually heard are Arkhangelsk, Athens, Beirut, East Berlin, West Berlin, Bucharest, Budapest, Cairo, Istanbul, Kiev, Leningrad, Lvov, Minsk, Moscow, Murmansk, Nodessa, Prague, Riga, Rome, Sofia, (4XL) Tel Aviv/Lod, Tunis, Luqa,, Vilnius etc. airports
6600.0	AM	....	RADIO PYONGYANG, North Korea	BC	....	Domestic Service
6604.0	USB	....	numerous, throughout Alaska	FA/MA	...	
6604.0	USB	....	Gander Radio, Nfld., Canada	FA	....	VOLMET
6604.0	USB	....	New York Radio, NY	FA	....	VOLMET
6608.0	*USB	....	numerous, mostly in USSR	FA/MA	...	USSR Air Force
6610.0	USB	....	Canaries Radio, Canary Islands	FA/MA	...	
6610.0	USB	....	Amman Radio, Jordan	FA/MA	...	
6610.0	USB		Casablanca Radio, Morocco	FA/MA	...	
6617.0	USB	NMJ22	Attu CG LORAN Station, AK	FA/MA	....	USCG
6617.0	AM	....	Brazzaville Aeradio, Congo	FA	1.2	VOLMET (15+45)
6617.0	A3H	....	Nairobi Aeradio, Kenya	FA	....	VOLMET (05+35)
6617.0	AM	....	Antananarive Aeradio, Madagascar	FA	1.5	VOLMET (25+55)
6617.0	USB	....	Riga Radio, Latvian SSR	FA	....	VOLMET/RR (00+30)
6617.0	A3H	....	Johannesburg (Jan Smuts) Radio, RSA	FA	....	VOLMET (00+30)
6617.0	USB	....	Kiev Radio, Ukrainian SSR	FA	....	VOLMET/RR (20+50)
6617.0	A3H	....	Kichnirov Aeradio, USSR	FA	....
6617.0	A3H	....	Leningrad Radio, USSR	FA	....	" " (05+35)
6617.0	A3H	....	Moscow Radio, USSR	FA	....	" " (15+45)
6617.0	USB	...	unknown			VOLMET (25+55)
6617.0	USB		Rostev met 10+40 AERAD#384			
6624.0	USB		Tehran AERAD#384			
6624.0	850/50R	RQC9	Novgorod, USSR	FA	1.0	
6637.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Athens, Auckland, Beijing, Bom- bay, Colombo, Frankfurt, Hong Kong, Honolulu, Jakarta, Man- ila, Nauru, Paris, Singapore, Sydney, Tel Aviv/Ben Gurion, Tokyo, etc. airports
6638.0	USB	....	Novorosiibirsk	FA	....
6638.0	USB	....	Moscow (Sheremetyevo), USSR	FA	....	VOLMET/FF/RR
6640.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Cairo, Dar es Salaam, Kabul,

KHz	Mode	Call	Location	Service	kW	Remarks
			Kuwait, Nairobi, San Francisco, San Juan, Tunis, etc. airports			
6643.0	USB	....	numerous (LDOC)	FA/MA ...		Usually heard are
			carriers with facilities in (HEE30) Berne, Buenos Aires, (YVL421) Caracas/Maiquetia, San Salvador, etc. airports			
6644.0	425/50R	BJZ22	Wuhan, PRC	FX	2.0	Meteo
6646.0	USB	....	numerous (LDOC)	FA/MA ...		Usually heard are
			carriers with facilities in Monrovia/Roberts & Toronto airports			
6649.0	USB	....	numerous (ICAO NW-SAM)	FA/MA ...		Airports & in-
			flight covering the western half of South America--usually heard are Bogota, Cali, Chiclayo, Guayaquil, Iquitos, Lima Panama, Quito, etc., airports			
6651.0	425/50N	BXT23	unknown	FX	....	PRC EMBASSY
6655.0	USB	....	numerous (ICAO NP-3/NP-4)	FA/MA ...		Airports & en-
			route over the Northern Pacific--usually heard are Anchorage, Beijing, Cold Harbor, Khabarovsk, Shang- hai, Tokyo, etc. airports			
6661.0	USB	....	Yuma MCAS, AZ	FA/MA ...		McDouglas
6661.0	USB	....	numerous (ICAO NP-3/NP-4)	FA/MA ...		Airports & en-
			route over the Northern Pacific--usually heard are Anchorage, Beijing, Cold Harbor, Khabarovsk, Shang- hai, Tokyo, etc. airports			
6665.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Domestic Service
6666.0	USB	....	numerous (ICAO SW-SAM)	FA/MA ...		Airports & in-
			flight covering southwestern South America--usually heard are Antofagasta, Arica, Asuncion, Buenos Aires, Cordoba, La Paz, Lima, Mendoza, Easter Island/Materie, Puerto Montt, Punta Arenas, Resistencia, Salta. Santa Cruz, Santiago, etc., airports			
6670.0	USB	†....	numerous, worldwide	FA/MA ...		USAF
6672.0	425/50R	BXT23	unknown	FX	....	PRC EMBASSY
6674.0	CW	....	unknown	FA	....	Wx 1100
6675.0	425/50N	....	Amman, Jordan	FX	....	PETRA/JNA Nx AA
						1500-1600
			(Neither broadcast on Fridays)			Nx EE 1700-1800
6676.0	USB	....	Bombay Radio, India	FA	0.8	VOLMET (25+55)
6676.0	US3	....	Calcutta Radio, India	FA	0.8	" (05+35)
6676.0	USB	....	Karachi Radio, Pakistan	FA	....	" (15+45)
6676.0	USB	9VA40	Singapore Radio, Singapore	FA	1.6	" (20+50)
						(1230-2230, only)
6676.0	USB	VLS	Sydney Radio, NSW, Australia	FA	3.0	" (00+30)
6676.0	USB	....	Bangkok Radio, Thailand	FA	1.6	" (10+40)
6679.0	USB	....	Honolulu Radio, HI	FA	....	VOLMET (00+30)
6679.0	USB	....	Hong Kong Radio, Hong Kong	FA	....	" (15+45)
6679.0	USB	....	Auckland Radio, New Zealand	FA	....	" (20+50)
6679.0	CW	"HMP11"	unknown, possibly in North Korea	FX	....	Tfc
6679.0	USB	....	San Francisco Radio, CA	FA	....	VOLMET (00+30)
6682.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
6683.0	B8E	....	numerous, worldwide	FA/MA ...		USAF (Parti-
			cularly "AIR FORCE ONE" & "AIR FORCE TWO")			
	USB	....	someone clg ALBROOK AIRWAYS in heavy QRN			
6685.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Russian Service
6686.0	USB	GHJ	Gibraltar Radio relay to E2X thru	FA	....	RAF
			MKL, RAF Edinburgh			
6686.0	USB	....	numerous, in Europe & USA	FA/MA ...		USAF/USN
6687.5	LSB	....	numerous, in Europe & USA	FA/MA ...		USAF
6690.0	CW	CMU967	Santiago Naval, Cuba	FX	....	USSR Navy
6690.0	USB	MQP	West Drayton (Upavon) AB, England	FA/MA	2.0	RAF
6691.0	USB	....	numerous, Australia nationwide	FA/MA	....	RAAF
6693.0	USB	....	several, Canada nationwide	FA/MA	....	RCAF (Parti-
			cularly CJX, "St. Johns Military", Nfld. & CZW, "Halifax Military", NS)			
6693.0	CW	....	unknown	AX	....	Meteo
6697.0	USB	MKL	Pitreavie Castle, Scotland	FA	3.5	RAF
6697.0	USB	....	numerous, USA east & Gulf coasts	FA/FC	....	USN (Primary
			coordination frequency--used by NAF, Newport, RI; NAM, Norfolk, VA; NHK, Patuxent, MD; etc.)			
6699.0	850/...e	....	unknown	..	....
6700.0	USB	IDR3	Rome Naval, Italy	FA	....	Italian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
6701.0	USB	....	numerous, worldwide	FA/FC	...	USN
6703.0	850/...e	....	unknown	FX	....	USN
6705.0	USB	....	several, in Canada CHR, "Trenton Military", Ont.; CJX, "St. Johns Military" Nfld.; KKN, "Vancouver Military" & VXA, "Edmonton Military", Alta.)	FA/MA	...	RCAF (Usually
6706.5	425/50N	Y7A28	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
6708.0	USB	....	numerous, Canada nationwide	MA	....
6708.0	USB	AFE71	"CAPE RADIO", Cape Canaveral AFS, FL Shuttle Support	FL FX	..	USAF/NASA [Alt: 5810.0 & 9006.0]
6710.0	850/...e	....	unknown	FX	....
6712.0	USB	....	numerous, worldwide	FA/MA	...	USAF ("SKY KING")
6714.0	CW	MQD	Plymouth, England	FA	1.0	British Navy
6714.0	CW	TMQY	Pitreavie Castle, Scotland	FA	1.0	British Navy
6714.0	FAX	....	unknown, probably in North America	FX	....
6715.0	B8E	....	numerous, worldwide	FA/MA	...	RAAF, RCAF & USAF
6715.0	USB	....	House freq for AIR PACIFIC			
6715.0	USB	AF1	"AIR FORCE ONE" (in flight)	MA	....	USAF VIP a/c
6715.0	CW	....	unknown military t/c	..	....
6716.0	USB	AFA	Andrews AFB, MD	FA	....	USAF
6717.5	CW	MTO	Rosyth	AX	....	NATO
6718.0	850/...e	....	unknown	FA	....
6720.0	USB	....	"Halifax Military", NS, Canada	FA	....	RCAF
6720.0	USB	....	numerous, worldwide El Toro MCAS, Santa Ana, CA; Lemoore NAS, CA; North Island NAS [San Diego], CA; Sherman Fld. [San Clemente], CA; Cecil Field NAS, Jacksonville, FL; Mayport NAS, FL; Chambers Fld. [Norfolk], VA; Oceana NAS ["GIANT KILLER"], VA; etc. as primary night frequency) [Also used by USAF]	FA/MA	...	USN (Includes:
6726.0	USB	....	several, in England	FA/MA	...	RAF
6726.2	170/50R	....	Hanoi, Vietnam	FX	....
6727.0	USB	AFG37	Scott AFB, IL plus second base station calling itself "FORMAT"	FA/MA	...	USAF
6727.0	USB	WAR46	clg Scott Airways	FX	....
6727.5	750/50R	HUE	Hanoi, Vietnam	FX	....
6729.0	...	PBV	Valkenburg	FA	....	Dutch AF
6730.0	USB	....	Tashkent Radio, Uzbek SSR	FA	4.0	VOLMET/RR
6730.0	USB	....	RAYMOND 7 -- Cannon AFB, NM	FA	....	USAF
6730.0	LSB	"AF2"	"AIR FORCE TWO" (in flight)	MA	....	USAF VIP a/c
6730.0	LSB	....	various USAF a/c PF11/4/83 1149-50			
6734.0	USB	....	RAF station at Neatishead	FA	....	RAF
6735.0	USB	....	numerous, western USA & Far East	FA/MA	...	USAF
6737.0	425/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	....
6738.0	USB	....	ARCHITECT, Bampton AB, England	FA	....	RAF Strike Command
6738.0	USB	....	numerous, worldwide used by AIE2, Andersen AFB, Guam; AIC2, Clark AB, Philippines; AKAS, Elemendorf AFB, AK; AGA2, Hickam AFB, HI; XPH, Thule AB, Greenland; AFI2, McClellan AFB, CA; AIF80, Yokota AB, Japan for MAINSAIL & SKY KING broadcasts) [Also used by the RAAF, RAF, RCAF & RNZAF]	FA/MA	...	USAF (Typically
6740.0	AM	....	CPBS, Beijing, PRC	BC	....	Taiwan Service
6740.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF
6741.0	USB	....	Alconbury AB	FA	....	USAF
6742.0	USB	....	Findhorn	FA	....	RAF
6745.0	USB	....	several, in England	FA/MA	...	RAF
6745.0	CW	RfNV	Moscow Radio, USSR (May also be used for Aeroflot between Havana & Moscow)	FA/MA	....	VOLMET (10+40)
6745.0	CW	RfN	new to this freq			
6745.5	CW	CAK	Santiago (Los Cerrillos AB), Chile wx forecasts at 0130, 1330 & 2000)	FA/MA	..	Tfc(NOAA reports
6746.0	USB	....	Vandenberg AFB, CA (Plead 8)	FA/FX	...	USAF/USN
6747.5	550/50R	....	unknown	FX	....	Coded Tfc
6750.0	AM	....	RADIO BEIJING, PRC	BC	....	Domestic Service
6750.0	USB	....	several, worldwide used by CUW, Lajes Field, Azores; AJE, Croughton, England; AFE8, MacDill AFB, FL; etc.) [also used by RAF]	FA/MA	...	USAF (Typically
6751.0	USB	....	"CYPRUS FLIGHT WATCH"	FA	....	RAF
6753.0	USB	PRP4	Rowan Platform, Brazil	FG	0.1	Oil Rig
6753.0	USB	PRQ25	Belem, Brazil	FG	0.1	Tfc/Oil Rigs
6753.0	USB	CHR	"Trenton Military", Ont., Canada	FA	4.0	RCAF/Wx (+30)

kHz	Mode	Call	Location	Service	kW	Remarks
6753.0	USB	CJX	"St. Johns Military", Nfld., Canada	FA	4.0	RCAF/Wx (+40)
6753.0	USB	CKN	"Vancouver Military", BC, Canada	FA	4.0	RCAF/Wx (+35)
6753.0	USB	VXA	"Edmonton Military", Alta., Canada	FA	4.0	RCAF/Wx (+20)
6755.0	USB	....	several	FA/MA	...	Dutch Military
6756.0	B8E	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF VIP a/c
6758.8	CW	....	unknown	FX	....
6760.0	850/75R	LOR	Buenos Aires Naval, Argentina	FA	0.3	Argentinian Navy
6760.0	USB	....	several, in New Zealand	FA/MA	...	RNZAF
6760.8	USB	....	unknown, probably Central America	FA	....	Net/SS
6761.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Used for
			"SKY KING" broadcasts--some			code names for air bases--
			sometimes referred to as the			"QUEBEC" frequency)
6762.0	CW	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
6764.6	CW	....	unknown	FX	....	Coded Tfc
6764.9			6765.0 - 7000.0 kHz — FIXED SERVICE (Worldwide)			
6765.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
6765.0	...	BFP	various calls from ARDXC7/83 said	by RM to be		within CHN and all 1 kw
6765.0	425/50R	BMB27	Kunming, PRC	FX	0.5	
6765.0	FAX	HSW69	Bangkok, Thailand	FX	....	Meteo
				(0330, 0500 & 1700)		
6765.0	USB	....	Kokside Rescue BAF?			
6765.6	FLB	70C	Aden Aeradio, PDR Yemen (South)	AX	....
6766.0	USB	PMW2	Warsaw, Poland	AX	0.5	Cairo/Prague
6766.5	425/50N	FXC34	Cayenne Aeradio, French Guiana	AX	1.0	Tfc/Paramaribo
6766.5	USB	VGL429	Kelowna, BC, Canada	FX	0.1	Tfc
6766.5	USB	XNI926	Black Canyon, BC, Canada	FX	0.1	Tfc
6767.5	425/50R	OLH4	Prague, Czechoslovakia	FX	7.0	CTK
6767.5	*FLB	PMW2	Warsaw, Poland	FX	0.5	Cairo/Prague
6768.0	CW	FDY	Orleans Air, France	FX	....	French AF
6769.0	850/50N	9VF21	Singapore, Singapore	FX	2.0	Tfc/Jakarta
6770.0	850/....	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
6770.0	850/....	FUF	Fort de France Naval, Martinique	FX	10.0	French Navy
6770.0	B8E	TRAN78	Moscow, USSR	FX	50.0	R. Moscow Feeder
6770.0	375/....	....	unknown	FX	....	Idling
6772.0	850/50R	CLN40	Havana (Bauta), Cuba	FX	20.0	
6772.5	CW	....	unknow	FX	....	Meteo
6773.0	425/50R	SOG277	Warsaw, Poland	FX	20.0	
6775.0	850/50N	CSY	Santa Maria Aeradio, Azores	AX	2.0	Tfc/Sal
6775.0	USB	TFK	Keflavik Airport, Iceland	FX	2.0	USAF
6775.0	425/75N	RCF	unknown			
6775.0	USB	....	numerous, USA nationwide	FX	....	USAF/MARS (In-
			cludes: AGAIGI, Griffiss AFB, NY; AGALHA, Hanscom AFB, MA;			
			AGAZEG; Eglin AFB, FL; AGAZRO, Robins AFB, GA; AIR, Penta-			
			gon [Andrews AFB, MD], VA; etc.)			
6775.0	350/50N	XTU	Ouagadougou, Upper Volta	FX	1.0	Tfc/Bamako
6775.0	USB	....	unknown, probably Central America	FX	....	Net/SS
6775.5	425/50R	YOG37	Bucharest (Sabaoani), Rumania	FX	1.0	Tfc/Berlin, GDR
6776.5	B9W	....	numerous, USA nationwide	FX	....	USAF
6778.5	USB	HJM273	Bogota, Colombia	FX	0.2	Net Control
6778.6	CW	....	unknown	FX	....	Tfc/SS
6780.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
6780.0	850/50R	RTT47	Moscow, USSR	FX	20.0	
6783.0	850/....	FUV	Djibouti Naval, Djibouti	FX	1.0	French Navy
6784.0	425/50N	JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army
6785.0	USB	WUJ3	Portland, OR	FX	....	USACE
6785.0	LSB	WUK4	Los Angeles, CA	FX	....	USACE
6785.0	USB	VEW	unknown	FX	....
6787.0	CW	Y7C69	Stockholm, Sweden	FX	1.0	GDR EMBASSY
6788.5	USB	VCA77	St. Anthony, Nfld., Canada	FX/MS	0.1	Canadian Fishing
6790.0	B9W	VLN6	Sydney (Doonside), NSW, Australia	FX	30.0	Tfc/ANARE
6790.0	AM	....	CPBS, Beijing, PRC	BC	10.0	Taiwan Service
6790.0	FLB	3BN	Port Louis Aeradio, Mauritius	AX	5.0	Tfc/Antananarivo
6790.0	850/50N	9VF22	Singapore, Singapore	FX	3.0	Tfc/Tokyo
6790.0	AM	....	RADIO MOGADISCIO, Somalia	BC	....	Domestic Service
6790.0	FAX	YMA22	Ankara, Turkey	FX	....	Meteo
				(0500-1400)		
6790.0	F7B	RTV58	Moscow, USSR	FX	15.0	Tfc/EUR
6790.0	AM	"CIO2"	unknown	FX	....	NUMBERS
6792.0	170/50N	ONA20	Brussels, Belgium	FX	3.0	INTERPOL
6792.0	CW	FSB54	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL

kHz	Mode	Call	Location	Service	kW	Remarks
6792.0	170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
6792.0	CW	8UF75	New Delhi, India	FX	5.0	"
6792.0	CW	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
6792.0	CW	PDB2	Utrecht (Bilthoven), Netherlands	FX	....	"
6792.0	CW	50P25	Lagos, Nigeria	FX	1.5	"
6792.0	CW	LJP26	Oslo, Norway	FX	1.5	"
6792.0	425/50R	SOG279	Warsaw, Poland	FX	10.0	
6793.0	USB	....	unknown	....		Telcom
6795.0	850/...e	VHM	Coonawarra, NT, Australia	FX	5.0	
6795.0	425/50R	LZM7	Sofia, Bulgaria	FX	....	Meteo
6795.0	F7B	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
6795.0	850/...e	....	numerous, USA nationwide	FX	....	USN
6796.0	CW	....	numerous, Spain nationwide	FX	....	Guardia Civil
6796.4	LSB	ART	Rawalpindi, Pakistan	FX	10.0	Telcom/Teheran
6797.0	425/50R	FKP36	Djibouti Aeradio, Djibouti	AX	0.3	French AF
6797.5	850/...e	....	numerous, worldwide	FX	....	USN
6800.0	425/50R	BA026	Beijing, PRC	FX	5.0	
6800.0	425/50R	BLM66	Chengdu, PRC	FX	2.0	Meteo
6800.0	CW	....	unknown	FX	....	Coded Tfc
6800.6	USB	....	numerous, southeastern Brazil	FX	....	Net
6801.0	850/50R	CLN41	Havana (Bauta), Cuba	FX	20.0	
6801.0	USB	....	Papeete Radio, Tahiti	AX	0.2	
6801.5	850/75Ne	GVA	London (Northwood) Naval, England	FX	5.0	British Navy
6801.5	850/75R	ZLO24	Iirangi Naval, New Zealand	FX	10.0	RNZ Navy
6801.5	B9W	....	unknown	FX	....
6801.5	CW	"R"	unknown	RC	....	Beacon
6802.0	USB	†PPG80	Paris (St. Assise), France	FX	20.0	Telcom
6802.0	425/50R	YOG38	Bucharest, Rumania	FX	2.0	Tfc/Moscow
6802.0	AM	....	unknown	FX	....	NUMBERS/YL/SS/4
6802.0	CW	"C"	unknown	RC	....	Beacon
6802.0	B7W	....	unknown	....	
6802.5	CW	"P"	unknown	RC	....	Beacon
6803.0	CW	"D"	unknown	RC	....	Beacon
6803.5	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
6803.5	425/50R	Y7A29	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
6804.0	CW	"O"	unknown	RC	....	Beacon
6805.0	CW	JJC20	Tokyo, Japan	FX	0.5	Tfc
6805.0	850/50R	SOG280	Warsaw, Poland	FX	20.0	
6806.0	425/50R	SOG380	Warsaw, Poland	FX	20.0	
6807.1	CW	....	unknown	FX	....	Coded Tfc
6808.0	USB	†RAT25	Moscow, USSR	FX	20.0	R. Moscow Feeder
6809.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	240.0	External Service
6810.0	*USB	....	several, Australia nationwide	FX	1.0	Monitoring Net-
work [Includes: VNA3, Melbourne; VNA4 Brisbane; VNA5, Adelaide; VNA6, Perth; VNA7, Hobart & VNA21, Townsville] [Alt: 4550.0 & 9940.0]						
6810.0	USB	†....	Beijing, PRC	FX	10.0	R. Beijing Feeder
6810.0	850/50N	JAA56	Osaka, Japan	FX	5.0	
6810.0	425/50R	CNM19	Rabat (Tangier), Morocco	FX	10.0	MAP
6810.0	FAX	HME75	Pyongyang (Jungsan), North Korea	FX	7.5	KCNA Nx
[Beamed to South America]						
6810.0	B8E	RBV79	Tashkent, USSR	FX	20.0	R. Moscow Feeder
6812.0	....	....	piccolo	FX	....
6812.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes:
NMJ22, Attu; NOJ, Kodiak; NRW2, St. Paul Is. & NRW3, Pt. Clarence—all AK) [Alt: 5422.0 & 6935.0]						
6813.5	USB	....	Tripoli Radio, Libya	AX	....
6814.0	425/50N	A6C31	Dubai Aeradio, UAR	AX	1.0	Tfc/Bahrain
6815.0	425/50R	BAL34	Beijing, PRC	FX	25.0	Tfc
6818.2	425/50N	ULV	Moscow, USSR	FX	....
6820.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
6820.0	425/75R	BCF21	Shanghai, PRC	FX	80.0	
6820.0	425/50R	OLW2	Prague, Czechoslovakia	FX	25.0	Tfc
6820.0	FAX	JKA2	Tokyo (Kemigawa), Japan	FX	5.0	
6820.0	425/50R	YZB	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/Tokyo
6821.3	USB	....	Antananarivo Radio, Madagascar	AX	5.0	Tfc/East Africa
6821.4	USB	3BN	Port Louis Radio, Mauritius	AX	5.0	Tfc/Antananarivo
Tfc/Mahe						
6822.5	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder

kHz	Mode	Call	Location	Service	kW	Remarks
6825.0	USB	VJQ	Kalgoorlie, WA, Australia	FX	0.3	RFDS
6825.0	USB	CFW	Vancouver, BC, Canada	FX	0.5	Telcom
6825.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	External Service
6825.0	425/50R	EPD38	Teheran Aeradio, Iran	FX	1.0	
6825.0	B8E	RJL8	Sverdlovsk, USSR	FX	15.0	R. Moscow Feeder
6826.0	USB	AFS	Offutt AFB, NE	FX	0.5	USAF
6826.5	B9W	VDD	Debert, NS, Canada	FX	10.0	
6829.0	425/50R	ZA02	Tirana, Albania	FX	....	Tfc/Prague
6829.8	CW	....	unknown	FX	....	Sig Reports
6830.0	B8E	FTG83	Paris (St. Assise), France	FX	20.0	Telcom
6830.0	1000/50R	RDW72	Khabarovsk, USSR	FX	....	Meteo
6830.5	USB	GZU	Petersfield	FX	....	British Navy
6831.5	LSB	VQJ366	Honiara, Solomon Islands	FX	0.5	Net Control
6833.6	USB	....	numerous, Hawaii to US east coast	FA/FC	..	USN (Usually
			NAM, Norfolk, VA; NAX, Barbers Pt., HI; NEL, Lakehurst			
			NAS, NJ; NFC, Cape May			
			NHK, Patuxent NAS, MD; NHZ, Brunswick NAS, ME; etc.)			
6835.0	425/50R	GFL22	Bracknell, England	FX	3.5	Meteo (1800-0600)
6835.0	850/...e	....	numerous, worldwide	FX	1.0	USN
6837.0	425/50N	OFB26	Helsinki (Nummela), Finland	FX	20.0	
6838.0	USB	....	Daventry, UK	FX	....	BBC Feeder
6840.0	USB	VJY	Darwin, NT, Australia	FX	....	RFDS
6840.0	425/50N	LZI28	Sofia, Bulgaria	FX	....	Tfc
6840.0	*425/75N	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
6840.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
6840.0	850/50R	HGD38	Budapest, Hungary	FX	15.0	Tfc
6840.0	CW	EBC	Cadiz Radionaval, Spain	FX	....	Spanish Navy/
				TIME SIGNALS (1029-1055, only)		
6840.5	CW	FDG7	Toulouse Air, France	FX	....	French AF
6842.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY
						[Alt: 5744.0 & 9217.0]
6842.0	850/75R	AME3	Madrid Radionaval, Spain	FX	....	Spanish Navy
6843.0	CW	↑OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
6844.0	USB	....	Basseterre, St. Kitts	FX	0.1	EMERGENCY
6844.0	850/50N	EBB	Ferrol de Caudillo Radionaval, Spain	FX	....	Spanish Navy
6844.5	425/50R	FDY	Orleans Air, France	FX	....	French AF
6845.0	USB	VJJ	Charleville, Qld., Australia	FX	....	RFDS
6845.0	425/50R	BAL25	Beijing, PRC	FX	15.0	
6845.0	CW	9EF26	Addis Ababa, Ethiopia	FX	0.3	Yemen EMBASSY
6845.0	AM	....	RADIO HOBOT, Inner Mongolia, PRC	BC	....	Domestic Service
6845.0	425/50R	ISY68	Rome (Torrenova), Italy	FX	5.0	ANSA
6845.0	425/75R	RRG23	Moscow, USSR	FX	80.0	Tfc/Pyongyang
6845.0	F7B	RGG22	Tashkent, Uzbek SSR	FX	15.0	
6847.4	525/...e	....	unknown	FX	....
6847.5	B8E	FTG84	Paris (St. Assise), France	FX	20.0	Telcom/Abidjan
6848.0	425/50Rc	SOG284	Warsaw, Poland	FX	20.0	PAP Nx RR 0030-0100
6848.0						[Beamed to Eastern Europe]
6848.0	425/50R	SOG284	" "			PAP Nx EE 1700-1730
						[Beamed to the Middle East]
6848.0	425/50Rc	SOG284	" "			PAP Nx RR 2100-2130
						[Beamed to Eastern Europe]
6850.0	USB	↑VLZ	Davis Base, Antarctica	FX	1.0	ANARE
6850.0	F7B	RRE36	Moscow, USSR	FX	20.0	Tfc/EUR
6850.0	FAX	WLO	Mobile, AL	FX	....	(NOAA Tests)
6850.1	CW	....	unknown	FX	....	VVV's
6852.0	425/50R	IOJ	Rome Aeradio, Italy	AX	....
6852.0	850/50N	....	unknown EN ESTOS MOENTOS DE LETREO	FX	....	Coded Tfc
6852.1	CW	"BZOS"	unknown	FX	....	Coded Tfc
6852.5	375/...e	....	unknown	FX	....
6853.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
6856.0	425/50R	BHD22	Shanghai, PRC	FX	1.0	Tfc/Wuhan
6856.3	CW	FDC3	Dijon Air, France	FX	....	French AF
6856.5	.....	↑GPE26B	London (Oxford), England	FX	75.0	REUTER
6858.5	LSB	↑....	Lyndhurst, Vic., Australia	FX	30.0	R. Australia Feeder
6858.5	CW	....	several, throughout France	FX	0.5	French AF
6859.0	AM	....	RADIO UDOMSAI, Laos	BC	....	Domestic Service
6859.0	F1B	5ST	Antananarivo Aeradio, Madagascar	AX	0.5	Tfc/MAU
6859.5	CW	FDG6	Bordeaux Air, France	FX	....	French AF
6860.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
6860.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Russian Service
6860.0	*425/75N	OM29	Warsaw, Poland	FX	1.0	Czech EMBASSY
6860.0	850/50N	CTW31	Monsanto Naval, Portugal	FX	3.0	[RPFN] Port. Navy
6860.0	F7B	RBK73	Moscow, USSR	FX	80.0	Tfc/Havana
6860.0	USB	....	unknown	FX	....	Net/SS
6861.0	850/75R	†AME3	Madrid Radionaval, Italy	FX	....	Spanish Navy
6861.5	425/50R	CLN45	Havana (Bauta), Cuba	FX	10.0	
6863.0	USB	....	unknown	....	....
6864.0	850/50R	....	Beijing, PRC	FX	5.0	XNA
6865.0	170/ARQ	....	Rome, Italy	FX	....	EMBASSY
6866.0	USB	†VJN	Cairns, Qld., Australia	FX	1.0	RFDS
6866.5	CW	†KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
6868.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
6868.5	USB	....	numerous, USA nationwide	FX	....	USAF
6869.0	850/50N	9VC27	Singapore	FX	3.0	
6869.8	170/50N	RIFALF	Pescara, Italy	FX	....	Italian Army
6870.0	850/...e	VEE	St. Johns, Nfld., Canada	FX	10.0	C. Forces
6870.0	425/50N	†CA17E	Materie Aeradio, Easter Island	AX	....	Tfc
6870.0	F7B	RIS78	Tbilisi, Georgian SSR	FX	15.0	APN/TASS
[Beamed to the Middle East]						
6870.0	425/50R	RTV55	Moscow, USSR	FX	15.0	Bakhtar Nx EE
6870.0			0415-0545 (Not on Saturdays)			[Beamed to Europe]
6870.0	LSB	KDM50	Atlanta (Hampton), GA	FX	....	FAA Net Control
6870.0			[Some use of code names, such as, "Associate" etc.]			
6871.0	CW	†OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
6872.5	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	0.5	[GCMF] USN
6873.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
6873.0	USB	....	unknown	....	....
6874.0	425/50R	SOG287	Warsaw (Radom), Poland	FX	10.0	
6875.0	850/50R	RAM24	Moscow, USSR	FX	20.0	
6875.0	B9W	AJF7	Rhein-Main AB, GFR	FX	1.0	USAFE
6878.5	B9W	NQM	NAVCOMMSTA Sand Island, Midway Is.	FC	3.0	USN
6879.5	*425/50R	BJZ72	Wuhan, PRC	FX	1.5	Meteo
6880.0	USB	VKJ	Meekatharra, Vic., Australia	FX	....	RFDS
6880.0	FAX	RAN77	Moscow, USSR	FX	15.0	Meteo
6880.0	F7B	RAN77	" "	FX	15.0	TASS
6880.0	USB	....	numerous, worldwide	FX	....	USN/MARS
6880.0	850/...e	....	numerous, worldwide	FX	....	USN
6882.0	USB	....	Riyadh, Saudi Arabia	FX	....	BSKSA Feeder
6884.9	575/50R	LWB	Buenos Aires (Moron), Argentina	AX	2.5	
6885.0	850/45Ne	VEV	Valcartier, PQ, Canada	FX	1.0	C. Forces
6885.0	*LSB	†NAW11	Guantanamo, Cuba	FX	....	Telcom/Tfc
6885.0	*425/50R	†EFP10	Teheran, Iran	FX	20.0	PANA
6885.3	F1B	LWB	usual	AX	....	Tfc/Asuncion
6886.6	850/75N	†CFH	Halifax, NS, Canada	FX	10.0	C. Forces/NAWS
6887.8	850/50N	ARA	Karachi Aeradio, Pakistan	AX	....
6888.0	F1B	IBA	Naples, Italy	FX	....	NATO AFSOUTH
6888.0	850/50R	SOG288	Warsaw (Radom), Poland	FX	10.0	
6888.5	USB	....	Basseterre, St. Kitts	FX	0.1	Emergency
6888.5	USB	†RAN76	Moscow, USSR	FX	15.0	R. Moscow Feeder
6889.9	425/75Rc	....	unknown, probably in Far East	FX	....
6890.0	USB	VJT	Carnarvon, WA, Australia	FX	0.3	RFDS
6890.0	USB	†VNZ	Port Augusta, SA, Australia	FX	0.3	Outpost Control
6890.0	425/50R	BGH84	Chengdu, PRC	FX	1.0	Meteo
6890.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	External Service
6890.0	425/50N	CLN47	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
6890.5	850/50Ne	CHO	St. Hubert, PQ., Canada	FX	1.0	C. Forces
6892.5	850/50N	JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army/NATO
6893.0	FAX	JKD2	Tokyo, Japan	FX	5.0	
6895.0	CW	VKV1	Cato Is., Qld., Australia	FX	0.1	Automatic
6895.0	425/50R	BPL62	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
6895.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	5.0	French Navy
6895.0	850/50N	PBC96	Goeree Island Naval, Netherlands	FX	5.0	Dutch Navy
6895.7	425/50N	....	unknown	FX	....	NOW IS THE TIME
6896.0	425/50R	CLN48	Havana (Bauta), Cuba	FX	5.0	
6896.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	35.0	USAF/NASA
[Space Shuttle Support]						
6897.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
6897.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
6898.0	425/50R	BZW36	Wulumuqi, PRC	FX	10.5	XNA

kHz	Mode	Call	Location	Service	kW	Remarks
6898.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
6898.8	170/50N	IEA20	Rome, Italy	FX	....	Italian Army
6900.0	425/50N	BAS56	Beijing, PRC	FX	10.5	XNA/Tfc
6900.0	425/50R	RXY72	Alma Ata, USSR	FX	....	Meteo
6901.0	FAX	SMA6	Stockholm (Norrkoping), Sweden	FX	....	Meteo (cont.)
6902.0	425/50R	CLN49	Havana (Bauta), Cuba	FX	20.0	
6902.5	F1B	....	Bangui Aeradio, Central African Rep.	AX	...	[OFA] Tfc/Congo
6903.0	CW	ARA	Karachi Aeradio, Pakistan	AX	....
6905.0	USB	VKR	Brisbane, Qld., Australia	FX	....	Police
6905.0	*170/50N	OEQ38	Vienna, Austria	FX	1.0	INTERPOL
6905.0	425/50N	ONA20	Brussels, Belgium	FX	3.0	"
6905.0	425/50N	OWS3	Copenhagen, Denmark	FX	0.2	"
6905.0	425/50N	GMP	London (W. Wickham), England	FX	1.0	"
6905.0	425/50N	....	Helsinki, Finland	FX	1.0	"
6905.0	170/ARQ	DEB	Wiesbaden, GFR	FX	20.0	"
6905.0	425/50N	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
6905.0	70/ARQ	IUV81	Rome, Italy	FX	....	"
6905.0	425/50N	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
6905.0	425/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
6905.0	*425/50N	SHX	Stockholm, Sweden	FX	1.0	"
6905.0	*425/50N	HEP26	Zurich (Waltikon), Switzerland	FX	3.0	"
6905.0	850/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	"
6907.0	170/50N	R1FAHB	Cagliari	FX	....	Italian Army
6908.3	425/50R	YOG29	Bucharest (Feleacu), Rumania	FX	2.5	Tfc/Budapest
6910.0	425/50R	CLN50	Havana (Bauta), Cuba	FX	10.0	Tfc/Mexico City
6910.0	850/50R	RV079	Moscow, USSR	FX	20.0	
6910.0	F7B	RVU	Vladivostok, USSR	FX	15.0	Tfc/FE
6911.0	CW	....	numerous, Spain nationwide	FX	....	Guardia Civil
6912.5	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	Meteo
6913.0	CW	FLR25	Lyon, France	FX	....	French Army
6914.1	170/...e	....	unknown	FX	....
6915.0	1000/50R	BAP46	Beijing, PRC	FX	10.0	XNA Nx EE 1030-1330,
				1430-1700 & 1830-2000	[Non-directional]	
6915.0	*F1B	LHB	Oslo (Jeloey), Norway	FX	25.0	
6915.0	FAX	6MK53	Seoul, South Korea	FX	....	Yonhap Nx Korean
6915.0	950/50R	RWZ70	Moscow, USSR	FX	20.0	Meteo/Aero
6918.0	425/50R	YOG39	Cluj, Rumania	FX	1.5	Tfc/Prague
6918.0	425/50R	YZG7	Belgrade (Makis), Yugoslavia	FX	30.0	Tfc/FE
6918.5	FAX	ECA7	Madrid, Spain	AX	5.0	Meteo (0410+1555)
6918.5	LSB	OCF	Ouagadougou, Upper Volta	FX	1.5	Net Control
				(Includes stations in Benin, Ghana, Ivory Coast, Mali, Niger & Togo)		
6918.5	USB	†RAT25	Moscow, USSR	FX	15.0	R. Moscow Feeder
6920.0	USB	VJC	Broken Hill, NSW, Australia	FX	1.2	RFDS
6920.0	AM	....	RADIO BEIJING, Xian, PRC	BC	50.0	
6920.0	850/50R	....	Kiev, Ukrainian SSR	FX	....	Meteo
6920.0	850/50R	....	Kiev met RHG70/RHG71/RHG72 2358			
6920.0	F7B	RAT25	Moscow, USSR	FX	15.0	
6920.4	1000/50R	....	unknown	FX	....	RYRY
6922.5	850/75Ne	GYA	London (Northwood) Naval, England	FX	5.0	British Navy
6925.0	USB	VJB	Derby, Vic., Australia	FX	....	RFDS
6925.0	425/50R	CLN51	Havana (Bauta), Cuba	FX	20.0	Tfc/Caracas
6925.4	CW	KKN50	Washington, DC	FX	1.0	EMBASSY [aka KKN32]
6926.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
6926.0	*USB	IUU41	Rome, Italy	FX	....	MoI
6926.0	850/50N	"PCF"	unknown	FX	....	NATO
6926.3	425/66R	FXC96	Cayenne Aeradio, French Guiana	AX	1.0	Meteo
6928.0	F1B	....	Semarang Aeradio, Indonesia	AX	....
6928.2	170/50R	IUU21	Rome, Italy	FX	....	Police
6930.0	CW	AME3	Madrid Radionaval, Spain	FX	10.0	Spanish Navy
6930.0	CW	YCW57	Bandjarmasin, Indonesia	FX	....
6930.0	F7B	RAN75	Moscow, USSR	FX	15.0	Tfc/Africa
6930.0	USB	....	unknown	FX	....	Net/PP
6930.0	500/...e	....	unknown	FX	....	Idling
6931.0	425/50R	BAQ24	Beijing, PRC	FX	15.0	Tfc/London
6932.0	CW	....	unknown	FX	....	Coded Tfc
6932.5	425/50N	IRD49	Rome (Torrenova), Italy	FX	2.0	Tfc/Stockholm
6933.5	USB	VGD280	Vancouver, BC, Canada	FX	0.1	Net Control
6934.5	LSB	A2P	Gaborone, Botswana	FX	0.4	Net Control
6934.8	CW	CLP1	Havana, Cuba	FX	....	EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
6935.0	USB	....	Aleutian LORAN Net	FX	....	USCG (For list of stations see 6812.0)
6935.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	Russian Service
6935.5	425/50R	YOG49	Bucharest (Oradea), Rumania	FX	1.0	
6937.0	CW	....	several, in Queensland, Australia	FX	....	Meteo/Net (Includes: VKV2, Frederick; VKV3, Marion & VKV5, Flinders)
6937.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
6938.0	850/50R	BAE50	Beijing, PRC	FX	15.0	
6938.5	USB	VKM	Alice Springs, NT, Australia	FX	....	Police
6940.0	B9W	AIA	Tokyo, Japan	FX	5.0	USAF
6940.0	F7B	RAN74	Moscow, USSR	FX	15.0	APN
						[Beamed to Europe]
6941.5	425/...e	....	unknown	FX	....
6942.5	425/75R	....	Kavalla, Greece	FX	35.0	USIA Nx EE/FF
					2215-0530	("Europe File")
6942.8	275/...e	....	unknown	FX	....	Idling
6943.0	425/50R	5TX	Nouadhibou Aeradio, Mauritania	AX	1.0	Tfc/Dakar
	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI, Sellia Marina, Italy & NCI3, Lampedusa, Italy)
						[Alt: 5066.0 & 7441.0]
6945.0	USB	....	Aleutian LORAN Net	FX	....	USCG (For list of stations see 6812.0 or 7441.0)
6945.0	USB	VJJ	Charleville, Qld., Australia	FX	....	School of the Air
6945.0	USB	VKF	Wyndham, Vic., Australia	FX	....	RFDS
6945.0	USB	TJF25	Douala, Cameroon	FX	6.0	Telcom
6945.0	850/50R	BOC2	Xian, PRC	FX	8.0	Tfc/Shanghai
6945.0	170/50N	AOB50	Estarit, Spain	FX	1.0	USCG
6945.0	USB	T2U	Funafuti, Tuvalu	FX	0.2	Net Control
6945.0	USB	....	"SKYLITE COMMAND"	FX	....
6946.0	B9W	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces/Meteo
6946.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FX	10.0	[C13E] C. Forces
						(NOAA reports wx forecasts at 0030, 0430 & 1330)
6946.0	FAX	CKN	Vancouver Forces Radio, BC, Canada	FX	10.0	C. Forces/Meteo
6946.0	850/50R	CLN53	Havana (Bauta), Cuba	FX	30.0	Tfc/Paris
6947.5	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
6950.0	USB	VJD	Alice Springs, NT, Australia	FX	....	RFDS
6950.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	120.0	External Service
6950.0	425/50R	BJZ20	Wuhan, PRC	FX	2.0	Meteo
6950.0	FAX	RBQ74	Alma Ata, USSR	FX	20.0	Meteo
6950.0	425/50R	RCV29	Moscow, USSR	FX	20.0	Bakhtar Nx EE
						(Not on Saturdays) 0415-0545
						TASS Nx EE 1415-2200
						[Beamed to the Middle East]
6950.0	CW	....	unknown	FX	....	VVV's ESAI (FF)
6951.0	.../100	EEQ	Madrid Police			
6952.0	425/50R	5YE12	Nairobi, Kenya	FX	7.5	Meteo
6955.0	425/75R	A9M28	Manama, Bahrain	FX	3.0	WAKH Nx AA 1700-2100
						[Non-directional]
6955.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
6955.0	425/50N	Y2G3	Berlin (Nauen), GDR	FX	20.0	EMBASSY
6957.0	B8E	NAW25	NAVCOMMSTA Guantanamo, Cuba	FX	1.0	Telcom
6957.5	425/50R	9HA	Luqa Aeradio, Malta	AX	1.5	Tfc/Tripoli
6960.0	USB	VJT	Carnarvon, WA, Australia	FX	0.3	Outpost Control
6960.0	USB	VKJ	Meekatharra, WA, Australia	FX	0.3	" "
6960.0	USB	VKL	Port Hedland, Vic., Australia	FX	....	RFDS
6960.0	425/50R	LZN3	Sofia, Bulgaria	FX	....	Tfc/Beijing
6960.0	F7B	RKA	Moscow, USSR	FX	15.0	Tfc/EUR
6964.2	USB	....	unknown	....	
6965.0	USB	VJI	Mount Isa, Qld., Australia	FX	....	RFDS
6965.0	850/50N	RFLIA	Fort de France Air, Martinique	FX	....	French AF
6965.0	850/50N	RFLID	Pointe a Pitre Air, Guadeloupe	FX	10.0	French AF
6965.0	CW	YMH3	Bandirma, Turkey	FX	0.1	(NOAA reports wx broadcasts at 0450, 0650, 1030, 1710, 1850 & 2230)
6965.0	CW	YMY2	Samsun, Turkey	FX	....	Meteo
6968.5	USB	NAW	NAVCOMMSTA Guantanamo, Cuba	FC	1.0	USN
6968.5	USB	NAX	NAVCOMMSTA Barber's Point, HI	FC	1.0	USN
6968.5	USB	NAR	Key West NAS, FL	FC	1.0	USN
6968.5	USB	....	numerous, worldwide	FX	....	USN MARS
6969.0	F1B	....	Jakarta Aeradio, Indonesia	AX	....
6970.0	B8E	VNV	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/Norfolk

kHz	Mode	Call	Location	Service	kW	Remarks
6970.0	425/50R	BCF20	Shanghai, PRC	FX	15.0	Tfc/Jakarta
6970.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
				(0430-0745 & 2230-0110)		
6970.0	USB	....	several, throughout New Zealand	FX	....	RN2 Navy (In-
			cludes: ZL064, Irirangi; ZLYA23, Auckland; ZLBY, Welling-			ton; ZLYC23, Lyttelton; ZLYD23, Dunedin; etc.)
6970.0	850/50N	NAU	NAVCOMMSTA San Juan, PR	FX	15.0	USN
6970.0	USB	KAC	Woods Hole, MA	FC	....	WHOI
6970.0	850/....e	....	numerous, worldwide	FX	....	USN
6970.0	170/75N	....	numerous, worldwide	FX	....	USN/MARS
6972.0	475/50R	YOG59	Bucharest, Rumania	FX	3.0	AGERPRES Nx EE
						(Sundays, only) 1630-1730
						(Not on Sundays) Nx FF 1700-1830
						(Not on Sundays) Nx EE 1830-2030
						[Non-directional]
6972.5	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
						[Alt: 00000000000000]
6972.5c	LSB	....	unknown	FX	....	Telcom (Protected)
6972.6	850/50Ne	†VDD	Debert, NS, Canada	FX	....	C. Forces
6973.0	AM	....	unknown	FX	....	Scrambler in Use
6974.9	375/....e	....	unknown	FX	....
6975.0	USB	VJY	Darwin, NT, Australia	FX	0.5	Outpost Control
6975.0	CW	Y7C24	Prague, Czechoslovakia	FX	1.0	GDR EMBASSY
6975.0	425/50R	Y7A30	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
6975.0	USB	DFP97	Frankfurt, GFR	FX	20.0	DW Feeder
6975.0	425/50R	SOG297	Warsaw, Poland	FX	20.0	
6975.0	425/50R	6VU38	Dakar Aeradio, Senegal	AX	1.0	Tfc/Noouadhibou
6976.0	USB	KKE79	Apalachicola, FL	FX	....	Dept. Commerce
6976.4	LSB	AQY286	Karachi, Pakistan	FX	1.0	Net Control
6977.0	AM	....	RADIO LUANG PRABANG, Laos	BC	....	Domestic Service
6977.5	LSB	....	numerous, throughout western USA	FX	....	NOAA Net
						[Infrequently used]
6978.0	....	KWS78	Athens	....	....
6980.0	USB	SAM39	Prague, Czechoslovakia	FX	1.0	Swedish EMBASSY
6980.0	USB	SAM23	Helsinki, Finland	FX	1.0	" "
6980.0	USB	SAM21	Berlin, GDR	FX	1.0	" "
6980.0	USB	SAM40	Warsaw, Poland	FX	1.0	" "
6980.0	425/50R	SOG298	Warsaw, Poland	FX	20.0	
6980.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY
6980.0	F7B	RAN73	Moscow, USSR	FX	12.0	Meteo
6980.8	425/50R	7XA97	Algiers, Algeria	FX	10.0	[DAMM] Meteo
6982.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
6982.5	....	....	NASA Emergency	FX	....
6983.0	FAX	6MK60	Seoul, South Korea	FX	....	Yonhap Nx Korean
6984.0	425/50R	GIC28B	London (Dorchester), England	FX	30.0	REUTER Nx EE 1700-0600
				[Beamed to the Middle East & East Africa]		
6985.0	425/50R	Y2G4	Berlin (Nauen), GDR	FX	7.5	EMBASSY
6985.0	850/50R	SOG398	Warsaw, Poland	FX	20.0	
6986.0	LSB	....	numerous, Cuba nationwide	FX	....	Net
6986.5	425/50R	BSB54	Lanzhou, PRC	FX	2.0	Meteo
6987.0	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
6987.0	425/50R	OMZ28	Prague, Czechoslovakia	FX	1.0	GDR EMBASSY
6987.0	425/50R	Y7A31	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
6987.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
6987.5	USB	RAT23	Moscow, USSR	FX	20.0	R. Moscow Feeder
6988.0	850/....e	....	unknown	FX	....	Idling
6988.9	850/50R	8Q9	Male Aeradio, Maldives	AX	....	Aero/Meteo
6989.0	LSB	....	unknown	....	....
6990.0	425/50N	Y2V4	Berlin (Nauen), GDR	FX	20.0	ADN
6990.0	525/50Rc	....	unknown	FX	....
6990.0	FSK	RUU2	also RKU2			
6990.5	850/50R	C9E2	Maputo Aeradio, Mozambique	AX	1.0	Tfc/Beira
6992.0	850/....e	....	unknown	FX	....	Idling
6992.9	425/50R	....	unknown	FX	....	EE/SS/abt sites
6993.0	850/50R	ORO46	Brussels, Belgium	FX	20.0	Tfc/Shanghai
6993.0	425/50R	CVK69	Montevideo, Uruguay	FX	10.0	AP Nx SS 2300
6993.0	CW	"P"	unknown	FX	....	Beacon
6995.0	B9W	MKG	London (Stanbridge), England	FX	30.0	DCN
6995.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
						(2150-0010)

kHz	Mode	Call	Location	Service	kW	Remarks
6995.0	CW	CLX	Casablanca, Morocco	FX	....	Meteo
6996.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	5.0	French Navy
6996.0	B9W	SAR88	Stockholm, Sweden	FX	1.0	ICRC
6996.0	USB	....	several, western USA & Far East	FX	....	USAF/MARS
6997.5	LSB	....	several, southeastern USA	FX	....	NOAA
6997.5	LSB	....	long haul truckers in OK & MO			
6998.0	425/50N	CLN54	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
6998.5	CW	DEK23	Berlin, GFR	FX	0.8	ICRC
6998.5	CW	DEK88	Bonn, GFR	FX	0.8	"
6998.5	CW	HBC88	Geneva, Switzerland	FX	0.8	"
6999.5	CW	ONY52	unknown	FX	....	Belgium Army/NATO
6999.9c			7000.0 - 7100.0 kHz — AMATEUR RADIO (Worldwide)			
7016.0	425/50R	BFE73	Xian, PRC	FX	10.0	Tfc/Wulumuqi
7099.9c			7100.0 - 7300.0 kHz — AMATEUR RADIO/INTERNATIONAL BROADCASTING (Shared)			
7292.7	F1B	RIFAUE	Guarfi Emilie, Italy	FX	....	to RIFADE
7299.0c			7300.0 - 8195.0 kHz — FIXED SERVICE (Worldwide)			
7302.0	USB	AGA8MC	McChord AFB, WA	FX	1.0	USAF/MARS
7302.1	CW	IDR3	Rome Naval, Italy	FX	15.0	Italian Navy
7305.0	850/50N	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Montevideo
7305.0	FAX	JMH2	Tokyo, Japan	FX	5.0	Meteo
7305.0	AM	....	RADIO MOSCOW, Lennigrad, USSR	BC	100.0	External Service
7305.0	850/...e	....	numerous, worldwide	FX	....	USN
7305.8	850/50R	LR036	Buenos Aires, Argentina	FX	10.0	TELAM Nx SS (cont.)
7306.5	B8E	5TA14	Nouadhibou, Mauritania	FX	6.0	Telcom/Paris
7307.0	USB	VJ3	Charleville, QLD., Australia	FX	....	Outpost Control
7307.0	F1B	Y2V33	Berlin (Nauen), GDR	FX	20.0	ADN
7307.0				[Beamed to North America]		
7308.0	F1B	†GPB27	London (Oxford), England	FX	75.0	Nx
				[Beamed to Africa]		
7308.0	CW	....	numerous, worldwide	FX	....	French Navy
7310.0	AM	....	RADIO TIRANA, Albania	BC	240.0	External Service
7310.0	AM	....	RADIO MOSCOW, Kalinin	BC	250.0	External Service
7311.0	USB	....	various MARS stations—unknown I D	....	....
7312.0	425/50N	CLN60	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
7313.5	USB	....	numerous, USA nationwide	FX	....	USAF/MARS
7315.0	F1B	HMR20	Pyongyang (Jungsan), North Korea	FX	3.5	Tfc/Tokyo
7315.0	950/50N	RGD23	Tashkent, Uzbek SSR	FX	15.0	Tfc/YAV23
7315.5	850/75N	†KRH51	London, England	FX	1.0	USA EMBASSY
7316.0	USB	AEA	somewhere in GFR	FX	....	US Army
7317.0	425/50R	BSY55	Lanzhou, PRC	FX	2.0	Meteo
7317.0	425/50R	SUU3	Cairo, Egypt	FX	2.5	Meteo
7318.5	USB	PUZ4	Brasilia, Brazil	FX	1.0	Governmental
7319.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	USN
7320.0	B9W	AFH3	Albrook AFS, Panama	FX	3.0	USAF
7320.0	AM	....	RADIO MOSCOW, Kiev, Ukrainian SSR	BC	....	External Service
7324.0	USB	....	numerous, northeastern USA	FX	....	USAF/MARS
7325.0	425/50N	Y2H	Berlin (Nauen), GDR	FX	20.0	Tfc/Moscow
7325.0	850/...e	....	unknown	FX	....	Idling USN
7327.5	850/50R	JAE27	Tokyo, Japan	FX	10.0	JiJi Nx SS 1000-1130
				[Beamed to South America]		
7328.0	425/50R	OLW4	Prague, Czechoslovakia	FX	50.0	CTK Nx EE 0800-0830
				(Not on Sundays) [Non-directional]		
7329.0	425/50N	9KP	Kuwait Aeradio, Kuwait	FX	5.0	Tfc/Damascus
7330.0	425/50R	BFE73	Xian, PRC	FX	10.0	Tfc/Wulumuqi
7330.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx CC 0200-1500
7330.0	USB	....	unknown	....	....
7331.0	USB	PMW2	Warsaw, Poland	FX	0.5	Cairo/Prague
7332.5	425/50N	Y2H2	Berlin (Nauen), GFR	FX	20.0	Tfc/FE
7332.5	425/50R	DBG33	Berlin, GFR	FX	20.0	Tfc
7332.5	CW	PMW2	Warsaw, Poland	FX	0.5	Cairo/Prague
7335.0	A3H	CHU	Ottawa, Ont, Canada	SS	10.0	TIME SIGNALS
7335.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Domestic Service
7336.0	USB	PRX347	Brasilia, Brazil	FX	0.1	Net Control
7337.0	USB	IBA	NATO AFSOUTH Naples	FX	....	to IBH/YMB

kHz	Mode	Call	Location	Service	kW	Remarks
7337.0	USB	IBH	NATO Vicenza	FX	....	clg IBA
7337.0	USB	YMB	Izmir, Turkey	FX	....	NATO
7339.8	850/....	....	unknown	FX	....
7340.0	USB	VZ85K	Katherine, NT, Australia	FxX	....	School of the Air
7340.0	F7B	BPL43	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
7340.0	425/50R	4XM3	Lod, Israel	FX	2.0	Meteo
7340.0	AM	....	RADIO MOSCOW, Irkutsk, USSR	BC	500.0	External Service
7345.0	AM	....	RADIO BEIJING, Xian, PRC	BC	50.0	External Service
7345.0	AM	....	RADIO PRAGUE, Czechoslovakia	BC	120.0	External Service
7345.0	....	YZD2	Belgrade, Yugoslavia	FX	30.0	TANJUG
[Beamed to the Far East]						
7345.0	AM	....	RADIO MOSCOW, Yakutsk USSR	BC	50.0	Domestic Service
7345.0	USB	....	numerous, USA nationwide	FX	....	USN/MARS
7346.5	170/75R	....	numerous, worldwide	FX	....	USN/MARS
7348.0	850/....	FUE	Brest Naval, France	FX	1.0	French Navy
7348.0	850/50N	†AME3	Madrid Radionaval, Spain	FX	....	[RETJ] Spanish Navy
7349.5	USB	CTH27	Horta Naval, Azores	FX	5.0	Port. Navy
7350.0	850/50R	BAA4	Beijing, PRC	FX	5.0	Meteo
7350.0	425/50R	BAF44	Beijing, PRC	FX	5.0	Meteo
7350.0	425/50R	CLN61	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
7350.0	850/50Ne	†RFLIG	Cayenne Naval, French Guiana	FX	....	French Military
7350.0	LSB	†XDD212	Mexico City, DF, Mexico	FX	10.0	Telcom
7350.0	170/75R	UJY2	Kaliningrad, USSR	FX	20.0	Tfc/Havana
7351.0	CW	CTH41	Horta Naval, Azores	FX	3.0	Port. Navy
(NOAA reports wx broadcast at 2130)						
7353.0	425/50N	CTD46	Ponta Delgada Naval, Azores	FX	3.0	[RPTI] Port. Navy
7355.0	425/50R	BAS29	Beijing, PRC	FX	10.0	Tfc/Karachi
7355.0	AM	....	RADIO MOSCOW, Novosibirsk, USSR	BC	100.0	Domestic Service
7355.0	AM	KGEI	usual	BC	....	External Service
7355.0	AM	WRNO	usual	BC	100.0	External Service
7355.0	AM	WYFR	usual	BC	100.0	External Service
7357.0	850/50N	FDX	Paris Air, France	FX	2.5	[RFFVA] French AF
7358.0	850/50R	ZRH	Cape (Fisantekraal) Naval, RSA	FX	....	RSA Navy
7360.0	850/....	CTR	Regina, Sask., Canada	FX	1.0	C. Forces
7360.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Russian Service
7360.0	AM	....	RADIO MOSCOW, Krasnodar, USSR	BC	500.0	External Service
7361.5	850/50R	....	unknown, probably in Far East	FX	....	Meteo
7362.0	425/50N	Y2H3	Berlin (Konigs Wusterhausen), GDR	FX	20.0	DP/Aden
7363.0	FAX	....	unknown	FX	....
7364.0	F1B	HME63	Pyeongyang (Bosong), North Korea	FX	20.0	KCNA
[Beamed to Japan]						
7365.0	170/50R	CLN63	Havana (Bauta), Cuba	FX	20.0	Tfc/Paris
7365.0	850/....	FUG	La Regine Naval, France	FX	1.0	French Navy
7365.0	F7B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/COM:TKG
7365.0	850/....	FUX	Le Port Naval, Reunion	FX	5.0	French Navy
7370.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Russian Service
7370.0	325/50R	FTH37	Paris (St. Assise), France	FX	20.0	AFP
7370.0	AM	....	VOICE OF GREECE, Athens, Greece	BC	....	External Service
7370.0d	FAX	JKE5	Tokyo (Usui), Japan	FX	5.0	JiJi Nx JJ 2300-1600
7370.0	850/50N	BCS36	Taipei, Taiwan	FX	3.5	Tfc/Bangkok
7372.0	....	YZD3	Belgrade, Yugoslavia	FX	30.0	TANJUG
[Beamed to the Far East]						
7373.0	USB	....	Bloemfontein, RSA	FX	1.0	Net Control
[Alt: 7655.0]						
7374.0	*170/ARQ	EEQ	Madrid, Spain	FX	1.0	Police Net Control
7374.5	425/50R	YOH33	Bucharest (Sibiu), Rumania	FX	1.5	Tfc/Prague
7375.0	850/50N	9VF27	Singapore	FX	4.0	
7376.0	850/50R	JMI2	Tokyo, Japan	FX	5.0	[JMI] Meteo
7377.5	USB	†....	North Atlantic (East Coast) LORAN Net	FX	..	USCG (Includes: NMA7, Jupiter, FL; NMP32, Nantucket, MA; NMF33, Caribou, ME; NMN73, Carolina Beach [Cape Fear], NC & NOL, "Ber-muda Monitor" -- daytime, only)
7378.0	CW	FDC3	Dijon	FX	....	FAF
7380.0	850/....	....	numerous, worldwide	FX	....	USN (active)
7385.0	850/....	....	numerous, worldwide	AX	....	USN (active)
7385.0	CW	NAU	unknown	....	....
7385.0	AM	....	RADIO HAVANA, Havana, Cuba	BC	50.0	External Service
7385.0	AM	....	LAOS-- Sayannakhet			
7389.5	LSB	YVL5	Caracas, Venezuela	FX	0.5	Net Control
7390.0	USB	ZKS	Ratotonga, Cook Islands	FX	1.0	Net Control

KHz	Mode	Call	Location	Service	kW	Remarks
7390.0b	LSB	....	unknown USSR	FX	....	Feeder for RADIO ORBITA-2
7390.5	425/50R	CLN65	Havana (Bauta), Cuba	FX	20.0	
7391.6	USB	....	numerous	FX	....	USN/MARS
7392.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
7392.0	850/75Ne	GYU	Gibraltar Naval, Gibraltar	FX	5.0	British Navy
7392.0	LSB	†....	Novosibirsk, USSR	FX	....	R. Moscow Feeder
7395.0	425/50R	BZC77	Wulumuqi, PRC	FX	25.0	XNA
[Beamed to North Africa]						
7395.0	850/50N	CTW47	Monsanto Naval, Portugal	FX	5.0	[RPFN] Port. Navy
7395.0	850/50R	9VF28	Singapore, Singapore	FX	8.0	
7395.0	FAX	HSW64	Bangkok, Thailand	FX	3.0	Meteo
(0330, 0500 & 1700)						
7395.0	425/50N	HSW64	Bangkok, Thailand	FX	3.0	Meteo
7395.0	425/50R	RNJ	Magadan, USSR	FX	5.0	Meteo
7395.2	CW	"U"	unknown	RC	....	Beacon
7398.0	USB	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
7400.0	USB	CGD432	Kenora, Ont., Canada	FX	0.4	Net Control
7400.0	425/50R	....	Teheran, Iran	FX	....	IRNA Nx AA 1730-1900
[Beamed to the Middle East]						
7400.0	AM	....	RADIO MOSCOW, Vologda, USSR	BC	50.0	Domestic Service
7401.0	*170/50N	OEQ39	Vienna, Austria	FX	3.0	INTERPOL
7401.0	*170/50N	ONA20	Brussels, Belgium	FX	3.0	"
7401.0	170/50N	GMP	London (W. Wickham), England	FX	1.0	"
7401.0	170/50N	....	Helsinki, Finland	FX	3.0	"
7401.0	*170/50N	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
7401.0	*170/50N	DEB	Wiesbaden, GFR	FX	20.0	"
7401.0	425/50N	LXF50	Luxembourg City, Luxembourg	FX	1.0	"
7401.0	170/ARQ	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
7401.0	425/50N	CSJ23	Lisbon, Portugal	FX	1.0	"
7401.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
7401.0	170/ARQ	HEP74	Zurich (Waltikon), Switzerland	FX	3.0	"
7402.5	850/50N	JMG3	Tokyo (Kemigawa), Japan	FX	2.0	[JMG] Meteo
7403.5	425/50R	ATP57	New Delhi, India	FX	18.0	[DEMS] Meteo
7404.0	AM	....	unknown	FX	....	NUMBERS/GG/YL
7405.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	100.0	Russian Service
7405.0	FAX	ATP57	New Delhi, India	FX	15.0	Meteo
(1430-2200)						
7407.0	425/50R	CML5	Havana (S. Pedro Bauta), Cuba	FX	5.0	Tfc/New York (170-SPE)
7407.0	CW	FD07	Strasbourg Air, France	FX	....	French AF
7407.9	425/75Rc	....	unknown	FX	....
7408.5	USB	†RAN72	Moscow, USSR	FX	20.0	R. Moscow Feeder
7410.0	AM	....	KOL ISRAEL, Tel Aviv, Israel	BC	300.0	External Service
7410.0	USB	RAN72	Moscow, USSR	FX	20.0	Feeder for RADIO ORBITA-2
7410.0	475/...e	....	unknown	FX	....
7412.0	AM	....	ALL INDIA RADIO, New Delhi, India	BC	100.0	Domestic Service
7412.0	425/50	....	unknown, probably Spanish Police	....	....
7412.0	USB	AFE72	Jupiter, FL	FX	0.5	USAF/NASA
[For Communications with Bahamas]						
7414.0	425/50N	"OZH7-"	unknown	FX	....
7415.0	USB	....	unknown	....	....
7417.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7417.0	FAX	....	unknown	FX	....
7419.0	850/50N	XZW32	Rangoon Aeradio, Burma	FX	3.5	Tfc/Bangkok
7420.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Russian Service
7420.0	850/50N	JAE47	Osaka, Japan	FX	5.0	
7420.0	F1B	KPV	Vientiane, Laos	FX	....	KPL Nx Feeder
0100-0300 & 0700-1030						
7420.0	AM	....	RADIO MOSCOW, USSR	BC	100.0	External Service
7421.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....	Domestic Service
7422.0	USB	VL4SX	Birdsville, Qld., Australia	FX	0.1	Outpost Control
7422.0	USB	VL5LM	Alice Springs, NT, Australia	FX	0.1	"
7422.0	USB	VL60F	Giles, WA, Australia	FX	0.1	"
7423.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	External Service
7423.0	425/50N	5YD9	Nairobi Aeradio, Kenya	AX	2.5	[KVA] Tfc/Aden
7425.0	USB	VL6BJ	Derby, WA, Australia	FX	0.5	Tfc/Byford
7425.0	425/50R	Y2V5	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 1400-1600 1800-1900 ADN Nx AA 2000-2050

kHz	Mode	Call	Location	Service	kW	Remarks
[Beamed to Africa & the Middle East]						
7425.0	500/FSK	.....	unknown	FX	....
7427.5	B8E	ZEN32	Cape D'aguiar, Hong Kong	FX	10.0	Telcom/Calcutta
7428.0	CW	FT42	Paris (St. Assise), France	FX	20.0	TIME SIGNALS
7428.0	CW	NDT6	NAVCOMMSTA Totsuka, Japan	FX	5.0	USN
7428.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	1.0	USN
7430.0	*A1	BAP57	Beijing, PRC	FX	2.0	XNA
7430.0	B8E	↑NAW26	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom
7430.0	B8E	↑ZPB74	Asuncion, Paraguay	FX	10.0	Telcom/Uruguay
7430.8	850/...e	....	unknown	FX	....
7433.0	425/50R	ISY74	Rome (Torrenova), Italy	FX	5.0	ANSA
7433.0	CW	"A"	unknown	RC	....	Beacon
7434.0	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
7435.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	350.0	External Service
7435.0	AM	....	unknown	FX	....	NUMBERS/YL/SS/5
7435.0	850/...e	....	unknown	FX	....
7435.0	LSB	....	unknown	FX	....	Net/SS
7436.0	850/50R	YAY6	Kabul, Afghanistan	FX	3.0	Tfc/New Delhi
7437.5	425/50N	Y2H4	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Ulan Bator
7439.0	425/50N	EBK	Las Palmas Radionaval, Canary Is.	FX	....	Spanish Navy
7440.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Domestic Service
7440.0	B9W	JBE77	Tokyo, Japan	FX	30.0	Tfc
7440.0	B8E	↑....	Holzkirchen, GFR	FX	10.0	RFE Feeder
7440.0	B8E	RVF53	Dushambe, USSR	FX	20.0	R. Moscow Feeder
7440.0	AM	....	RADIO MOSCOW, Kalinin, Turkmen SSR	BC	100.0	Domestic Service
7440.0	AM	....	RADIO MOSCOW, Krasnoyarsk, USSR	BC	50.0	" "
7440.0	AM	....	RADIO MOSCOW, Moscow, USSR	BC	10.0	" "
7440.0	LSB	....	unknown	FX	....	Net/PP
7441.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes: NMJ22, Attu; NOJ, Kodiak; NRW2, St. Paul Is. & NRW3, Pt. Clarence--all AK) [Alt: 6945.0 & 10,368.5]
7441.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: AOB50, Estartit, Spain; NCI, Sellia Marina, Italy & NCI3, Lampedusa, Italy) [Alt: 6943.5 & 8021.5]
7442.0	850/50N	NKW	NAVCOMMSTA Diego Garcia, Chagos Is.	FX	....	USN/Meteo
7442.5	425/75R	....	Monrovia, Liberia	FX	....	USIA Nx EE
7443.0	CW	CKN	Vancouver, BC, Canada	2330-0530 FX	....	("African File") C. Forces
7445.0	CW	VCS838	Ottawa, Ont., Canada	FX	1.0	Yugoslav EMBASSY
7445.0	850/75Ne	NDT	NAVCOMMSTA Yokosuka, Japan	FX	3.0	USN
7445.0	850/50R	Z2A	Harare Aeradio, Zimbabwe	AX	1.0	Tfc/Lusaka
7446.0	425/50N	↑GAY27B	London (Rugby), England	FX	15.0	LPS
[Beamed to Indian sub-continent]						
7446.0	USB	"KPA"	unknown	FX	....	EE/YL
7450.0	425/50R	JYA30	Amman, Jordan	FX	3.0	
7450.0	AM	....	RADIO VATICAN, Vatican City	BC	100.0	External Service
7450.0	LSB	....	unknown	FX	....	Net/SS
7452.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
7454.0	170/50*	MKG	London (Stanbridge), England	FX	5.0	DCN
7454.6	F1B	HBT37	Berne, Switzerland	FX	7.0	
7455.0	850/...e	FUX	Le Port Naval, Reunion	FX	1.0	French Navy
7455.0	850/50N	9VE26	Singapore Aeradio, Singapore	AX	5.0	Tfc/Colombo
7455.0	850/...e	NAA	NAVCOMMSTA Cutler, ME	FX	50.0	USN
7455.0	850/...e	....	numerous, mostly North America	FX	....	USN
7456.0	850/50R	LRO42	Buenos Aires, Argentina	FX	10.0	NA Nx SS 1100-0400
7457.0	USB	....	numerous, USA nationwide	FX	....	USAF MARS (Includes: AGA1HA, Hanscom AFB, MA; AGA2LA, Langley AFB, VA; AGA5MC, McChord AFB, WA; AIR, Pentagon (Andrews AFB, MD), VA; etc.)
7460.0	F1B	LZB	Sofia, Bulgaria	FX	7.0	BTA Nx EE 1830
7460.0	425/...e	....	unknown	FX	....
7460.5	675/...e	....	unknown	FX	....
7461.0	USB	AFE71	"CAPE RADIO, Canaveral AFS, FL	FX	....	NASA/USAF
7462.0	.../75	↑OZU25	Copenhagen, Denmark	FX	....	EMBASSY
7462.0	850/50R	RTV53	Moscow, USSR	FX	20.0	Tfc
7465.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	RFDS
7465.0	425/50R	CLN66	Havana (Bauta), Cuba	FX	20.0	Tfc/Berlin, GDR
7465.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	100.0	Arabic Service
7465.0	CW	LEJ7	Bodo Naval, Norway	FX	....	Norwegian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
7465.0	425/....	....	unknown	FX	....
7466.0	850/50N	9VF30	Singapore	FX	7.5	
7467.5	425/50N	Y2H5	Berlin (Nauen), GDR	FX	20.0	DP
7470.0	850/50R	BAJ55	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
7470.0	LSB	†RLG71	Yuzhno-Sakhalinsk, USSR	FX	5.0	R. Moscow Feeder
7470.0	F1B	....	Moscow Aeradio, USSR	AX	....	[MSD] Tfc/ Damascus
7470.0	CW	†KKN50	Washington, DC	FX	10.0	EMBASSY
7470.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnan	BC	....	External Service
7470.0	425/....	....	unknown	FX	....	Idling
7470.0	FAX	....	unknown	FX	....
7472.0	425/....	....	unknown	FX	....	Idling
7472.2	850/50N	NKW	NAVCOMMSTA Diego Garcia, Chagos Is.	FX	....	USN/Meteo
7473.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; N O5, Upolu Point, HI & NRO7, Kure Is. [Ocean Is.], HI) [Alt: 9303.0]
7474.0	170/50*	†MKG	London (Stanbridge), England	FX	30.0	DCN
7475.0	USB	VJI	Mount Isa, Qld., Australia	FX	....	Outpost Control
7475.0	425/50R	BZB87	Wulumuqi, PRC	FX	10.5	XNA
[Beamed to the Middle East]						
7475.0	425/50R	YIW71	Baghdad, Iraq	FX	1.0	Meteo
7475.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
7475.0	FAX	RMP44	Petropavlo Kam, USSR	FX	20.0	Meteo
7475.0	USB	KDM50	Atlanta (Hampton), GA	FX	....	FAA Net Control (Also heard have been KDM95, Gulfport, MS; KKKU40, Kansas City, MO; etc.) [Alt: 6870.0 & 8125.0]
7475.6	850/....	....	unknown	FX	....
7478.0	425/75R	....	Monrovia (Careysburg), Liberia	FX	....	USIA Nx EE 2330-0445 ("African File")
7480.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	100.0	External Service
7480.0	850/....	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
7481.5	.../50	HKG211	Bogota Aeradio, Colombia	AX	....
7485.0	425/50R	CLN67	Havana (Bauta), Cuba	FX	25.0	Tfc/Shanghai
7485.0	850/50N	ZEN31	Cape D'aguiar, Hong Kong	FX	7.5	Tfc/Bangkok
7485.3	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
7490.0	USB	DFG49	feeder			
7490.0	850/50N	†RBNF	Moscow Aeradio, USSR	AX	....
7492.0	170/75R	NNN0MSD	San Diego, CA	FX	....	USN/MARS
7492.0	CW	....	unknown	FX	....	Coded Tfc
7493.0	LSB	....	Yuzhno-Sakhalinsk, USSR	FX	5.0	R. Moscow Feeder
7495.0	850/50N	BCN37	Taipei, Taiwan	FX	2.5	
7495.0	FAX	RDK23	Tbilisi, Georgian SSR	FX	20.0	Meteo
7495.0	1000/50R	RDK23		FX	20.0	Meteo
7495.0	CW	NMN/NAM	NAVCOMMSTA Norfolk, VA	FC	15.0	[LCMP-2] USN
			wx hrd 1158-1216	....	....	also NUKO + wx
7495.5	850/75Re	VDH	Alert, NWT, Canada	FX	10.0	C. Forces
7497.0	170/50N	5YF33	Nairobi, Kenya	FX	5.0	Tfc/Jo'Burg
7497.6	170/50R	IEA20	Rome, Italy	FX	....	Italian Army
7498.5	LSB	†5TN228	Nouakchott, Mauritania	FX	6.0	Telcom/Paris
7498.6	USB	....	numerous, mostly eastern USA	FC	1.0	USN
7500.0	AM	VNG	Lyndhurst, Vic., Australia	SS	10.0	TIME SIGNALS
7500.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	15.0	Domestic Service
7500.0	425/50N	JYA31	Amman, Jordan	FX	3.0	Tfc/Cairo
7500.0	CW	ZLZ22	Wellington (Himatangi), New Zealand	FX	5.0	(NOAA reports wx broadcasts at 0200, 0805, 0815. 0840, 0910, 1400, 2005, 2015, 2040 & 2110)
7500.0	F7B	RTW51	Kuibyshev, USSR	FX	25.0	
7500.0	850/....	....	numerous, worldwide	FX	....	USN
7500.1	425/75Rc	....	unknown	FX	....
7504.0	AM	....	RADIO BEIJING, Xian, PRC	BC	100.0	External Service
7505.0	850/....	NPN	NAVCOMMSTA Agana, Guam	FX	1.0	[GCMP] USN
7505.5	CW	GXH	NAVCOMMSTA Thurso, Scotland	FX	....	USN(NOAA re- ports wx broadcasts at 0630 & 1900)
7505.5	CW	†NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
7507.0	USB	NMR	COMMSTA San Juan, PR	FX	....	USCG/USN Hurricane Warning Net ["PAPA" Channel]
7507.5	F7B	JAE87	Tokyo, Japan	FX	25.0	Tfc/Moscow
7508.0	FAX	ZRO2	Pretoria, RSA	FX	3.5	Meteo
7510.0	425/50R	CLN70	Havana (Bauta), Cuba	FX	30.0	
7510.0	425/50R	RNW27	Khabarovsk, USSR	FX	20.0	Tfc/USA

kHz	Mode	Call	Location	Service	kW	Remarks
7510.0	425/50R	RAT21	Moscow, USSR	FX [Beamed	15.0	TASS to Europe]
7510.0	475/...e	....	unknown	FX	.....
7510.3	850/50R	JAF27	Tokyo, Japan	FX	10.0	
7511.5	USB	CTC27	Cascais Naval, Portugal	FX	....	Portuguese Navy
7511.7	400/...e	....	unknown	FX	....
7512.0	170/75N	ZR02	Pretoria, RSA	FX	3.5	Meteo (NOAA re- ports wx forecasts at 0840 & 1440)
7512.0	425/50R	XVH69	Ho Chi Minh City, Vietnam	FX	....	Meteo
7512.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....	External Service
7512.5	USB	†....	Norwegian Sea & N. Atlantic	LORAN Net	....	USCG (Includes: DML, Sylt, GFR; JXL, BØ, Norway, JXP, Jan Mayen Is.; NMS, Shetland Is.; OUN, Ejde, Denmark; OVY, Anqissog, Greenland; TFR, Sandur, Iceland & TFR2, Reykjavik, Iceland)
7514.0	CW	FDG21	Cognac Air, France	FX	....	French AF
7514.5	CW	FDG21	Bordeaux Air, France	FX	....	French AF
7515.0	CW	JMB2	Tokyo, Japan	FX	2.0	Meteo
7515.0	425/50R	YOH25	Bucharest (Isai), Rumania	FX	5.0	Tfc/Berlin, GDR
7515.0	850/...e	....	unknown, possibly in Canada	FX	....	Idling
7516.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Domestic Service
7517.0	USB	VKJ	Meekatharra, WA, Australia	FX	1.0	Outpost Control
7518.0	B8E	†IRE25	Rome, Italy	FX	10.0	Telcom
7519.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7520.0	425/50R	BZP57	Wulumuqi, PRC	FX	10.5	XNA Nx EE 0030-0300 1430-1700 & 1830-2000 [Beamed to Europe]
7520.0	425/75R	ROK29	Moscow, USSR	FX	25.0	APN
7522.0	850/50N	JAF47	Tokyo, Japan	FX	10.0	
7524.0	425/50R	†ODT	Beirut Aeradio, Lebanon	FX	5.0	Tfc/Baghdad
7524.1	425/50R	TYE	Cotonou, Benin	FX	....	[UNA]
7524.6	AM	....	unknown	....	....	Clandestine in CC
7525.0	CW	SRC25	Warsaw, Poland	AX	2.0	
7525.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	15.0	Domestic Service
7525.0	425/50R	RTV54	Moscow, USSR	FX	15.0	TASS Nx EE 1445-1900 [Beamed to Central & East Africa]
7525.0	USB	....	"CHOPPER ONE" to someone	..	....
7526.0	325/...e	....	unknown	FX	....
7527.0	USB	....	numerous, worldwide	FX	....	USAF MARS (Inc- cludes: AGALHA, Hanscom AFB, MA; AGASHI, Hickam AFB, HI; AGA9EL, Elmendorf AFB, AK; etc.)
7527.0	USB	....	This frequency is used by the US Customs Service for supplemental communications. Callsigns are usually code names and have included: "HOMEPLATE", "HIGHTIDE", "OMAHA", "RAM- PART", "SLINGSHOT", etc.			
7527.0	B9W	....	This frequency may be used for covert operations in Caribbean			
7527.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
7528.6	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC—plus transportables) [Alt: 4046.6 & 9125.6]
7528.6	USB	....	Pacific Area Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam—plus transport- ables) [Alt: 4046.6 & 9125.6]
7529.7	FAX	RKIC	Moscow, USSR	FX	15.0	TASS
7530.0	B9W	AIF2Ø	Yokota AB, Japan	FX	3.0	USAF
7530.0	425/50R	RQM76	Khabarovsk, USSR	FX	5.0	Meteo
7530.0	USB	....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4 San Salvador [Watling Is.], Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, San Juan, PR) [Alt: 5422.5 & 8083.5]
7532.0	CW	OGX	Helsinki, Finland	FX	1.0	INTERPOL
7532.0	USB	EL	unknown	FX	....
7532.0	170/50N	FSB55	Paris (St. Martin Abbat), France	FX	1.0	"
7532.0	*170/50N	DEB	Wiesbaden, GDR	FX	5.0	"
7532.0	CW	8UF75	New Delhi, India	FX	5.0	"
7532.0	*425/50N	JPA55	Nagoya (Komaki), Japan	FX	10.0	"
7532.0	CW	LJP26	Oslo, Norway	FX	....	"
7532.0	CW	SHX	Stockholm, Sweden	FX	1.0	"
7532.0	USB	†9HC32A	Malta, Malta	FX	10.0	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
7533.8	USB	....	numerous, worldwide	FX	....	USN/MARS
7535.0	FAX	AX133	Darwin, NT, Australia	FX	5.0	Meteo (0800-2100)
7535.0	425/50R	BCC40	Shanghai, PRC	FX	15.0	
7535.0	425/50N	FZE75	Fort de France, Martinique	FX	5.0	AFP Nx SS 1000-1300 (Above newscast not on Sundays) SS 0015-0550 [Beamed to Central America]
7535.0	F1B	YZD4	Belgrade, Yugoslavia	FX	30.0	TANJUG [Beamed to the Far East]
7535.8	170/75R	....	numerous, worldwide	FX	....	USN/MARS
7536.9	CW	"XUQC"	unknown	FX	....	Coded Tfc
7537.0	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
7537.0	425/50R	Y7A32	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
7537.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
7537.0	425/50R	Y7C69	Stockholm, Sweden	FX	1.0	GDR EMBASSY
7537.6	*FAX	RLI9	Kalinkovitch, USSR	FX	20.0	
7538.6	USB	ZLK48	Christchurch Naval, New Zealand	FX	10.0	NSF/USN Antarctica Support
7539.0	CW	ART	Rawalpindi, Pakistan	FX	1.0	Tfc/Ankara
7539.3	425/50N	4XQ57	Tel Aviv, Israel	FX	2.5	Tfc/Europe
7540.0	850/...e	VER	Ottawa, Ont., Canada	FX	10.0	G. Forces
7540.0	425/50R	CLN71	Havana (Bauta), Cuba	FX	20.0	Tfc/Madrid
7540.0	USB	AGA8HI	Hickam AFB, HI	FX	5.0	USAF/MARS
7540.0	850/75N	ZLK48	Christchurch Naval, New Zealand	FX	10.0	NSF/USN
7540.0	425/75R	ROK28	Moscow, USSR	FX	25.0	APN [Beamed to Southeast Asia]
7540.8	B8E	ROK28	Moscow, USSR	FX	25.0	R. Moscow Feeder
7542.5	425/66R	ZEN33	Cape D'aguilar, Hong Kong	FX	5.0	CNA Nx Chinese/EE 1000-1100 [Beamed to Taiwan] AFP Nx EE 2000-0100 ("EXOR" Service) [Beamed to India & Pakistan]
7544.0	425/50R	YKA	Damascus Aeradio, Syria	FX	....
7545.0	F1B	HEF3	Geneva, Switzerland	FX	4.0	Tfc/Cairo
7545.0	F7B	RKI	Moscow, USSR	FX	25.0	Tfc/N. Africa
7545.0	USB	....	in USA (AL)	FX	....	MARS
7546.0	425/50R	BZM50	Wulumuqi, PRC	FX	40.0	XNA [Beamed to Africa]
7546.0	F1B	HMG63	Pyongyang (Bosong), North Korea	FX	10.0	KCNA [Beamed to Southeast Asia]
7548.5	USB	↑RNN58	Moscow, USSR	FX	15.0	R. Moscow Feeder
7550.0	USB	VJQ	Kalgoorlie, WA, Australia	FX	1.0	Outposts
7550.0	USB	XLU42	Vancouver, BC, Canada	FX	0.5	Telcom
7550.0	AM	....	RADIO KOREA, Seoul, South Korea	BC	100.0	External Service
7550.0	B9W	RNN58	Moscow, USSR	FX	15.0	Tfc/EUR
7551.0	850/50N	ZEO32	Cape D'aguilar, Hong Kong	FX	3.5	Tfc/Rangoon
7552.0	425/50R	5ST41	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/Dar es Salaam (Has skeds at 0035/0335/0635/0935/1235/1535/1835)
7553.5	USB	↑HVC	Vatican City, Vatican	FX	10.0	Telcom
7554.0	425/50R	↑SUC	Cairo Aeradio, Egypt	AX	....
7555.0	425/50R	Y2V34	Berlin (Nauen), GDR	FX	20.0	ADN [Beamed to North America]
7555.0	850/50N	HVC	Vatican City, Vatican	FX	7.0	Tfc
7556.0	F7B	BAY3	Beijing, PRC	FX	15.0	Tfc/Moscow
7556.0	USB	6VK27	Dakar, Senegal	FX	6.0	Telcom/Paris
7556.0	CW	↑UWR63	unknown	FX	....	clg RZD30
7557.5	425/...e	....	unknown	FX	....	Idling
7560.0	425/50R	ROK27	Moscow, USSR	FX	15.0	TASS Nx FF 1515-2300 [Beamed to Africa & Europe]
7560.4	425/50R	6VK27	Dakar, Senegal	FX	20.0	Tfc/Paris
7562.0	425/50R	BAB94	Beijing, PRC	FX	25.0	Tfc/Rome
7562.0	425/50R	SOH256	Warsaw, Poland	FX	20.0	
7562.0	425/50R	YZD5	Belgrade, Yugoslavia	FX	30.0	TANJUG [Beamed to India]
7565.0	USB	VJC	Broken Hill, NSW, Australia	FX	0.3	School of the Air
7565.0	CW	FTI75	Paris, France	FX	0.5	
7565.0	425/50R	YIX75	Baghdad, Iraq	FX	10.0	INA Nx AA 0600-1000 1500-2000 [Beamed to the Middle East & Africa]
7565.0	F1B	HEK22	Geneva, Switzerland	FX	4.0	Tfc/Shanghai

kHz	Mode	Call	Location	Service	kW	Remarks
7465.0	425/...e	....	unknown	FX	....
7466.0	850/50N	9VF3Ø	Singapore	FX	7.5	
7467.5	425/50N	Y2H5	Berlin (Nauen), GDR	FX	20.0	DP
7470.0	850/50R	BAJ55	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
7470.0	LSB	†RLG71	Yuzhno-Sakhalinsk, USSR	FX	5.0	R. Moscow Feeder
7470.0	FLB	....	Moscow Aeradio, USSR	AX	....	[MSD] Tfc/ Damascus
7470.0	CW	†KKN5Ø	Washington, DC	FX	10.0	EMBASSY
7470.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnan	BC	....	External Service
7470.0	425/...e	....	unknown	FX	....	Idling
7470.0	FAX	....	unknown	FX	....
7472.0	425/...e	....	unknown	FX	....	Idling
7472.2	850/50N	NKW	NAVCOMMSTA Diego Garcia, Chagos Is.	FX	....	USN/Meteo
7473.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; N 05, Upolu Point, HI & NRO7, Kure Is. [Ocean Is.], HI) [Alt: 9303.0]
7474.0	170/50*	†MKG	London (Stanbridge), England	FX	30.0	DCN
7475.0	USB	VJI	Mount Isa, Qld., Australia	FX	....	Outpost Control
7475.0	425/50R	BZB87	Wulumuqi, PRC	FX	10.5	XNA
[Beamed to the Middle East]						
7475.0	425/50R	YIW71	Baghdad, Iraq	FX	1.0	Meteo
7475.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
7475.0	FAX	RMP44	Petropavlo Kam, USSR	FX	20.0	Meteo
7475.0	USB	KDM5Ø	Atlanta (Hampton), GA	FX	....	FAA Net Control
(Also heard have been KDM95, Gulfport, MS; KKKU4Ø, Kansas City, MO; etc.) [Alt: 6870.0 & 8125.0]						
7475.6	850/...e	....	unknown	FX	....
7478.0	425/75R	....	Monrovia (Careysburg), Liberia	FX	....	USIA Nx EE
2330-0445 ("African File")						
7480.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	100.0	External Service
7480.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
7481.5	.../50	HKG211	Bogota Aeradio, Colombia	AX	....
7485.0	425/50R	CLN67	Havana (Bauta), Cuba	FX	25.0	Tfc/Shanghai
7485.0	850/50N	ZEN31	Cape D'aguilar, Hong Kong	FX	7.5	Tfc/Bangkok
7485.3	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
7490.0	USB	DFG49	feeder			
7490.0	850/50N	†RBNF	Moscow Aeradio, USSR	AX	....
7492.0	170/75R	NNNØMSD	San Diego, CA	FX	....	USN/MARS
7492.0	CW	....	unknown	FX	....	Coded Tfc
7493.0	LSB	....	Yuzhno-Sakhalinsk, USSR	FX	5.0	R. Moscow Feeder
7495.0	850/50N	BCN37	Taipei, Taiwan	FX	2.5	
7495.0	FAX	RDK23	Tbilisi, Georgian SSR	FX	20.0	Meteo
7495.0	1000/50R	RDK23		FX	20.0	Meteo
7495.0	CW	NMN/NAM	NAVCOMMSTA Norfolk, VA	FC	15.0	[LCMP-2] USN
wx hrd 1158-1216						
7495.5	850/75Re	VDH	Alert, NWT, Canada	FX	10.0	C. Forces
7497.0	170/50N	5YF33	Nairobi, Kenya	FX	5.0	Tfc/Jo'Burg
7497.6	170/50R	IEA2Ø	Rome, Italy	FX	....	Italian Army
7498.5	LSB	†5TN228	Nouakchott, Mauritania	FX	6.0	Telcom/Paris
7498.6	USB	....	numerous, mostly eastern USA	FC	1.0	USN
7500.0	AM	VNG	Lyndhurst, Vic., Australia	SS	10.0	TIME SIGNALS
7500.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	15.0	Domestic Service
7500.0	425/50N	JYA31	Amman, Jordan	FX	3.0	Tfc/Cairo
7500.0	CW	ZLZ22	Wellington (Himatangi), New Zealand	FX	5.0	(NOAA reports wx broadcasts at 0200, 0805, 0815. 0840, 0910, 1400, 2005, 2015, 2040 & 2110)
7500.0	F7B	RTW51	Kuibychev, USSR	FX	25.0	
7500.0	850/...e	....	numerous, worldwide	FX	....	USN
7500.1	425/75Rc	....	unknown	FX	....
7504.0	AM	....	RADIO BEIJING, Xian, PRC	BC	100.0	External Service
7505.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	1.0	[GCMP] USN
7505.5	CW	GXH	NAVCOMMSTA Thurso, Scotland	FX	....	USN(NOAA re-ports wx broadcasts at 0630 & 1900)
7505.5	CW	†NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
7507.0	USB	NMR	COMMSTA San Juan, PR	FX	....	USCG/USN
Hurricane Warning Net ["PAPA" Channel]						
7507.5	F7B	JAE87	Tokyo, Japan	FX	25.0	Tfc/Moscow
7508.0	FAX	ZRO2	Pretoria, RSA	FX	3.5	Meteo
7510.0	425/50R	CLN7Ø	Havana (Bauta), Cuba	FX	30.0	
7510.0	425/50R	RNW27	Khabarovsk, USSR	FX	20.0	Tfc/USA

kHz	Mode	Call	Location	Service	kW	Remarks
7510.0	425/50R	RAT21	Moscow, USSR	FX [Beamed to Europe]	15.0	TASS
7510.0	475/...e	....	unknown	FX	....
7510.3	850/50R	JAF27	Tokyo, Japan	FX	10.0	
7511.5	USB	CTC27	Cascais Naval, Portugal	FX	....	Portuguese Navy
7511.7	400/...e	....	unknown	FX	....
7512.0	170/75N	ZRO2	Pretoria, RSA	FX	3.5	Meteo (NOAA re-ports wx forecasts at 0840 & 1440)
7512.0	425/50R	XVH69	Ho Chi Minh City, Vietnam	FX	....	Meteo
7512.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....	External Service
7512.5	USB	†....	Norwegian Sea & N. Atlantic LORAN Net	....	....	USCG (Includes: DML, Sylt, GFR; JXL, BØ, Norway, JXP, Jan Mayen Is.; NMS, Shetland Is.; OUN, Ejde, Denmark; OYV, Anqissog, Greenland; TFR, Sandur, Iceland & TFR2, Reykjavik, Iceland)
7514.0	CW	FDG21	Cognac Air, France	FX	....	French AF
7514.5	CW	FDG21	Bordeaux Air, France	FX	....	French AF
7515.0	CW	JMB2	Tokyo, Japan	FX	2.0	Meteo
7515.0	425/50R	YOH25	Bucharest (Isai), Rumania	FX	5.0	Tfc/Berlin, GDR
7515.0	850/...e	....	unknown, possibly in Canada	FX	....	Idling
7516.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Domestic Service
7517.0	USB	VKJ	Meekatharra, WA, Australia	FX	1.0	Outpost Control
7518.0	B8E	†IRE25	Rome, Italy	FX	10.0	Telcom
7519.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7520.0	425/50R	BZP57	Wulumuqi, PRC	FX	10.5	XNA Nx EE 0030-0300 1430-1700 & 1830-2000 [Beamed to Europe]
7520.0	425/75R	ROK29	Moscow, USSR	FX	25.0	APN
7522.0	850/50N	JAF47	Tokyo, Japan	FX	10.0	
7524.0	425/50R	†ODT	Beirut Aeradio, Lebanon	FX	5.0	Tfc/Baghdad
7524.1	425/50R	TYE	Cotonou, Benin	FX	....	[UNA]
7524.6	AM	....	unknown	....	....	Clandestine in CC
7525.0	CW	SRC25	Warsaw, Poland	AX	2.0	
7525.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	15.0	Domestic Service
7525.0	425/50R	RTV54	Moscow, USSR	FX	15.0	TASS Nx EE 1445-1900 [Beamed to Central & East Africa]
7525.0	USB	....	"CHOPPER ONE" to someone	..	....
7526.0	325/...e	....	unknown	FX	....
7527.0	USB	....	numerous, worldwide	FX	....	USAF MARS (Includes: AGAIHA, Hanscom AFB, MA; AGA8HI, Hickam AFB, HI; AGA9EL, Elmendorf AFB, AK; etc.)
7527.0	USB	....	This frequency is used by the US Customs Service for supplemental communications. Callsigns are usually code names and have included: "HOMEPLATE", "HIGHTIDE", "OMAHA", "RAM-PART", "SLINGSHOT", etc.			
7527.0	B9W	....	This frequency may be used for covert operations in Caribbean			
7527.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
7528.6	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC—plus transportables) [Alt: 4046.6 & 9125.6]
7528.6	USB	....	Pacific Area Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam—plus transportables) [Alt: 4046.6 & 9125.6]
7529.7	FAX	RKIC	Moscow, USSR	FX	15.0	TASS
7530.0	B9W	AIF2Ø	Yokota AB, Japan	FX	3.0	USAF
7530.0	425/50R	RQM76	Khabarovsk, USSR	FX	5.0	Meteo
7530.0	USB	....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4 San Salvador [Watling Is.], Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, San Juan, PR) [Alt: 5422.5 & 8083.5]
7532.0	CW	OGX	Helsinki, Finland	FX	1.0	INTERPOL
7532.0	USB	EL	unknown	FX	....
7532.0	170/50N	FSB55	Paris (St. Martin Abbat), France	FX	1.0	"
7532.0	*170/50N	DEB	Wiesbaden, GDR	FX	5.0	"
7532.0	CW	8UF75	New Delhi, India	FX	5.0	"
7532.0	*425/50N	JPA55	Nagoya (Komaki), Japan	FX	10.0	"
7532.0	CW	LJP26	Oslo, Norway	FX	....	"
7532.0	CW	SHX	Stockholm, Sweden	FX	1.0	"
7532.0	USB	†9HC32A	Malta, Malta	FX	10.0	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
7533.8	USB	....	numerous, worldwide	FX	....	USN/MARS
7535.0	FAX	AXI33	Darwin, NT, Australia	FX	5.0	Meteo (0800-2100)
7535.0	425/50R	BCC40	Shanghai, PRC	FX	15.0	
7535.0	425/50N	FZE75	Fort de France, Martinique	FX	5.0	AFP Nx SS 1000-1300 (Above newscast not on Sundays) SS 0015-0550
7535.0	F1B	YZD4	Belgrade, Yugoslavia	FX	30.0	[Beamed to Central America] TANJUG
7535.8	170/75R	....	numerous, worldwide	FX	....	[Beamed to the Far East] USN/MARS
7536.9	CW	"XUQC"	unknown	FX	....	Coded Tfc
7537.0	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
7537.0	425/50R	Y7A32	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
7537.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
7537.0	425/50R	Y7C69	Stockholm, Sweden	FX	1.0	GDR EMBASSY
7537.6	*FAX	RLI9	Kalinkovitch, USSR	FX	20.0	
7538.6	USB	ZLK48	Christchurch Naval, New Zealand	FX	10.0	NSF/USN
7539.0	CW	ART	Rawalpindi, Pakistan	FX	1.0	Antarctica Support Tfc/Ankara
7539.3	425/50N	4XQ57	Tel Aviv, Israel	FX	2.5	Tfc/Europe
7540.0	850/...e	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
7540.0	425/50R	CLN71	Havana (Bauta), Cuba	FX	20.0	Tfc/Madrid
7540.0	USB	AGA8HI	Hickam AFB, HI	FX	5.0	USAF/MARS
7540.0	850/75N	ZLK48	Christchurch Naval, New Zealand	FX	10.0	NSF/USN
7540.0	425/75R	ROK28	Moscow, USSR	FX	25.0	APN
7540.8	B8E	ROK28	Moscow, USSR	FX	25.0	[Beamed to Southeast Asia] R. Moscow Feeder
7542.5	425/66R	ZEN33	Cape D'agular, Hong Kong	FX	5.0	CNA Nx Chinese/EE 1000-1100 [Beamed to Taiwan] AFP Nx EE 2000-0100
7544.0	425/50R	YKA	Damascus Aeradio, Syria	FX	....	("EXOR" Service) [Beamed to India & Pakistan]
7545.0	F1B	HEF3	Geneva, Switzerland	FX	4.0	Tfc/Cairo
7545.0	F7B	RKI	Moscow, USSR	FX	25.0	Tfc/N. Africa
7545.0	USB	....	in USA (AL)	FX	....	MARS
7546.0	425/50R	BZM50	Wulumuqi, PRC	FX	40.0	XNA
7546.0	F1B	HMG63	Pyongyang (Bosong), North Korea	FX	10.0	[Beamed to Africa] KCNA
7548.5	USB	†RNN58	Moscow, USSR	FX	15.0	[Beamed to Southeast Asia] R. Moscow Feeder
7550.0	USB	VJQ	Kalgoorlie, WA, Australia	FX	1.0	Outposts
7550.0	USB	XLU42	Vancouver, BC, Canada	FX	0.5	Telcom
7550.0	AM	....	RADIO KOREA, Seoul, South Korea	BC	100.0	External Service
7550.0	B9W	RNN58	Moscow, USSR	FX	15.0	Tfc/EUR
7551.0	850/50N	ZE032	Cape D'agular, Hong Kong	FX	3.5	Tfc/Rangoon
7552.0	425/50R	5ST41	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/Dar es Salaam (Has skeds at 0035/0335/0635/0935/1235/1535/1835)
7553.5	USB	†HVC	Vatican City, Vatican	FX	10.0	Telcom
7554.0	425/50R	†SUC	Cairo Aeradio, Egypt	AX	....
7555.0	425/50R	Y2V34	Berlin (Nauen), GDR	FX	20.0	ADN
7555.0						[Beamed to North America]
7555.0	850/50N	HVC	Vatican City, Vatican	FX	7.0	Tfc
7556.0	F7B	BAY3	Beijing, PRC	FX	15.0	Tfc/Moscow
7556.0	USB	6VK27	Dakar, Senegal	FX	6.0	Telcom/Paris
7556.0	CW	†UWR63	unknown	FX	....	clg RZD30
7557.5	425/...e	....	unknown	FX	....	Idling
7560.0	425/50R	ROK27	Moscow, USSR	FX	15.0	TASS Nx FF 1515-2300 [Beamed to Africa & Europe]
7560.4	425/50R	6VK27	Dakar, Senegal	FX	20.0	Tfc/Paris
7562.0	425/50R	BAB94	Beijing, PRC	FX	25.0	Tfc/Rome
7562.0	425/50R	SOH256	Warsaw, Poland	FX	20.0	
7562.0	425/50R	YZD5	Belgrade, Yugoslavia	FX	30.0	TANJUG
7565.0	USB	VJC	Broken Hill, NSW, Australia	FX	0.3	[Beamed to India] School of the Air
7565.0	CW	FIT75	Paris, France	FX	0.5	
7565.0	425/50R	YIX75	Baghdad, Iraq	FX	10.0	INA Nx AA 0600-1000 1500-2000 [Beamed to the Middle East & Africa]
7565.0	F1B	HEK22	Geneva, Switzerland	FX	4.0	Tfc/Shanghai

kHz	Mode	Call	Location	Service	kW	Remarks
7567.0	F1B	CUW	Lajes Airways, Azores	FX	....	PAP/USAF
7567.5	850/50N	JAF57	Tokyo, Japan	FX	10.0	Press
7570.0	CW	OZL40	Angmagssalik, Greenland	FX	4.0	(NOAA reports wx forecasts at 0705, 1305 & 1905)
7570.0	425/50R	RBX72	Tashkent, Uzbek SSR	FX	5.0	Meteo
7571.8	LSB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
7572.5	850/50N	JAF77	Tokyo, Japan	FX	10.0	Press
7573.8	550/...e	....	unknown	FX	....
7574.0	CW	RCV	Moscow Naval, USSR	FX	....	Russian Navy
7576.0	*F1B	....	numerous, throughout France	FX	0.3	GDF [Most stations have the prefix FVA]
7576.0	CW	FVA80	Gend Rosny sur Bois	FX	....	FA
7577.0	CW	TRIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
7577.5	425/50R	OLZ2	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 1800-1900 (Not on Saturdays) [Beamed to Far East & Africa] (Sundays, only) 1900-1930
7580.0	USB	D2G21	Luanda, Angola	FX	0.5	Tfc/Lobito
7580.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
7580.0	USB	NRV	COMMSTA Barrigada, Guam	FX	3.0	USCG
7580.0	425/50N	VVD57	New Delhi (Guragon), India (NOAA reports wx warnings at 0445, 0755, 1015 & 1645)	FX	5.0	Meteo (cont.)
7580.0	USB	NRT	COMMSTA Totsuka, Japan	FX	1.0	USCG
7580.0	USB	....	Moscow, USSR	FX	....	Telcom
7580.0	850/...e	....	unknown	FX	....	USN
7582.0	170/...e	....	several, Pacific Ocean area	FX	....	USCG
7584.0	425/100R	OEM47	Vienna Aeradio, Austria	FX	5.0	Meteo
7584.0	F1B	LZI33	usual	FX	....	Tfc/Kuibyshev
7584.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7584.0	425/50R	YOH35	Floresti, Rumania	FX	1.0	Meteo
7585.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
7585.0	425/50R	CLN72	Havana (Bauta), Cuba	FX	20.0	Tfc/Prague
7586.5	525/50R	6VY41	Dakar Aeradio, Senegal	FX	5.0	[DAA] Meteo
7587.0	850/75R	MEG	Rheindahlen, GFR	FX	....	BAOR
7587.0	850/75R	"KTPN"	unknown	FX	....	RYRY
7587.5	FAX	6VY41	Dakar, Senegal	FX	5.0	Meteo (2000-0830)
7590.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	External Service
7590.0	*F7B	RTJ71	Iujnsakhalinsk, USSR	FX	5.0	Meteo
7590.0	USB	....	unknown	....	....
7592.0	170/50R	RIFAU	Parma, Italy	FX	....	Italian Army
7592.0	425/50R	YZD6	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx FF 1900-2000 & 2100-2200 [Beamed to the Far East]
7593.5	USB	....	numerous, USA nationwide	FC	....	USN
7595.0	F7B	RCE57	Moscow, USSR	FX	15.0	TASS Nx FF 1500-2200 Nx AA 1500-2200 [Beamed to the Middle East]
7595.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
7595.7	170/50R	RIFEBAN	Manango, Italy	FX	....	Italian Army
7595.9	170/50R	....	unknown	....	....
7596.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
7596.0	F1B	....	Niamey Aeradio, Niger	AX	....	[NUA] Tfc/Cotonou
7597.0	425/75N	4UAD	New Delhi, India	FX	1.0	UN
7597.0	425/75N	4UAS	Sringar, India	FX	1.0	UN
7597.5	USB	....	numerous, in Italy	FX	....	Italian Army
7597.8	170/50N	IEA20	Rome, Italy	FX	....	[RIFEI] Italian Army
7598.0	850/50R	BAM78	Beijing, PRC	FX	15.0	XNA [Beamed to Hong Kong]
7598.8	675/...e	....	unknown	FX	....
7598.9	425/50N	9KT262	Huban, Kuwait	FX	30.0	KUNA Nx EE 1000-1200 1600-1800 [Non-directional]
7600.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
7600.0	AM	HD210A	Guayaquil, Ecuador	SS	....	TIME SIGNALS
7600.0	850/50N	JAF87	Tokyo, Japan	FX	5.0	Nx
7600.0	750/50N	ZLZ22	Himatangi Naval, New Zealand (NOAA reports wx warnings at 0540 & 1730)	FX	5.0	RNZ Navy/Meteo
7600.0	CW	SRN	Warsaw Aeradio, Poland	AX	4.0	
7600.0	*425/50R	RSW74	Arkhangelsk, USSR	FX	5.0	Meteo
7600.0	425/50N	TVXT56	Hanoi, Vietnam	FX	....	Tfc/Bangkok

kHz	Mode	Call	Location	Service	kW	Remarks
7602.5	LSB	7UE60	Algiers, Algeria	FX	....	Net Control
7602.6	F7B	RCV9	Tchita, USSR	FX	60.0	
7602.8	355/50N	9KT262	Huban, Kuwait	FX	30.0	KUNA Nx AA 0700-1100 1400-1700 [Non-directional]
7603.5	425/45Ne	KAA60	Grand Island, NE	FX	1.0	FCC
7604.0	425/50R	HGE36	Budapest, Hungary	FX	5.0	Meteo
7605.0	CW	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
7605.0	CW	FUJ	Noumea Naval, New Caledonia	FX	1.0	French Navy
7605.0	850/50N	P2W	Wewak Aeradio, Papua New Guinea	AX	1.0	
7605.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY
7605.0	CW	FUM	Papeete Naval, Tahiti	FX	2.5	French Navy
7605.0	USB	MIW2	unknown	FX	....	NUMBERS/EE/YL
7605.0	USB	SAM38	Moscow, USSR	FX	1.0	Swedish EMBASSY
7605.0	850/....	....	several, worldwide	FX	....	French Navy
7606.0	USB	WEH97	New York, NY	FX	30.0	Telcom
7607.5	425/75N	4US	Nicosia, Cyprus	FX	10.0	UN
7607.5	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
7607.5	425/75N	4UZ	Geneva, Switzerland	FX	10.0	UN
7609.8	500/... e	....	unknown	FX	....
7610.0	425/50R	†SUA231	Cairo, Egypt	FX	5.0	AFP
7610.3	170/50R	MUY	Monchengladback, GFR	FX	....	BAOR
7611.0	LSB	....	unknown say: "Thank You Very Much--So Long"			
7614.0	USB	YVY53	Cristobal, Venezuela	FX	X20	Tfc/Caracas
7615.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
7615.0	425/50R	RTT44	Moscow, USSR	FX	20.0	Bakhtar Nx EE (Not on Saturdays) 0415-0545 [Non-directional] TASS Nx EE 1415-2200 [Beamed to the Middle East]
7616.0	425/50N	6VY42	Dakar Aeradio, Senegal	AX	10.0	Meteo
7619.0	850/50N	FUG	La Regine Naval, France	FX	1.0	French Navy
7620.0	AM	†....	RADIO BEIJING, Kunming, PRC	BC	120.0	External Service
7620.0	425/50R	BJW27	Wuhan, PRC	FX	1.0	Tfc/Shanghai
7620.0	*425/75N	OMZ9	Warsaw, Poland	FX	1.0	Czech EMBASSY
7620.0	USB	....	several, unknown	FX	....	Net/SS
7620.0	425/....	....	unknown	FX	....
7621.0	USB	VXN	Nicosia, Cyprus	FX	....	CANMIL
7622.0	850/50N	....	Beijing, PRC	FX	2.0	XNA
7622.5	LSB	VHC	Canberra	FX	....	RAN
7623.0	*425/75R	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
7623.0	425/75R	....	Bonn, GFR	FX	....	Czech EMBASSY
7624.0	425/50N	HZN47	Jeddah, Saudi Arabia	FX	10.0	[999] Meteo
7624.0		HZN	unknown			100 baud
7625.0	425/50R	BZG47	Wulumuqi, PRC	FX	40.0	XNA [Beamed to Central Africa]
7626.0	850/50R	LRN83	Buenos Aires, Argentina	FX	10.0	SAPORITI Nx SS 1100-1600 & 2000-0100 Nx 1900 Nx SS
7626.0	F1B	LRN83	unknown			
7626.0	F7B	RRQ25	Alma Ata, USSR	FX	50.0	
7626.0	425/....	....	unknown	FX	....
7630.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
7630.0	B9W	JBE67	Tokyo, Japan	FX	10.0	Nx/Tfc
7630.0	425/50R	RNR78	Rostov na Donu, USSR	FX	5.0	Meteo
7630.5	*J7B	SRZ933	Warsaw, Poland	FX	X27	EMBASSY (to England)
7632.0	USB	AIR	Pentagon (Andrews AFB, MD), VA	FX	3.0	USAF/MARS
7633.5	*170/75N	....	numerous, USA nationwide includes: AGA1HA, Hascom AFB, MA; AGA2LA, Langley AFB, VA; AGA5MC, McChord AFB, WA; AGA6TR, Travis AFB, CA; AIR, Pentagon [Andrews AFB, MD], DC; etc.)	FX	....	USAF/MARS (In-)
7633.9	CW	†KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
7635.0	170/75R	CLN77	Havana (Bauta), Cuba	FX	20.0	
7635.0	850/50N	9VF34	Singapore	FX	10.0	Tfc/Australia
7635.0	USB	....	numerous, southwestern USA	FX	....	CAP
7635.0	USB	....	"HEADCAP 22"—possibly Washington, DC	CAP	Hdq	
7635.0	850/....	....	several, Pacific Ocean area	FX	....	USN
7636.0	A1*	....	Beijing, PRC	FX	5.0	XNA Nx CC 1300-2200
7639.6	850/FSK	RST76	Minsk, USSR	FX	....	Meteo
7642.9	850/....	....	unknown	FX	....
7643.0	FAX	NPN	NAVCOMMSTA Agana, Guam	FX	30.0	USN/Meteo
7645.0	170/50*	MKG	London (Stanbridge), England	FX	5.0	DCN

KHz	Mode	Call	Location	Service	kW	Remarks
7645.0	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
7645.0	850/75Ne	ZLZ54	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy
7645.0	850/...e	....	numerous, worldwide	FX	....	USN
7645.0	F1B	RGE36	unknown	....	....	TASS Nx EE 1300-2400
7645.5	USB	.....	LUCKY-O radio check with INDUSTRON			
7646.0	425/50R	DDH7	Pinneburg, GFR	FX	1.0	Meteo (NOAA re-ports synoptic observations at 0615, 1030, 1215, 1515 & 1815)
7647.5	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
7647.5	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
7647.5	*425/50R	Y7A33	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
7647.5	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
7650.0	CW	ONN38	Brussels, Belgium	FX	0.1	Swiss EMBASSY
7650.0	425/50R	BZR67	Wulumuqi, PRC	FX	25.0	XNA Nx EE 0030-0300 1500-1700 1830-2030 [Beamed to Europe]
7651.0	USB	LTC31	Buenos Aires, Argentina	FX	0.5	Net Control
7651.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
7652.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
7654.0	*F7B	HBD56	Warsaw, Poland	FX	1.0	Swiss EMBASSY
7655.0	170/ARQ	↑FIT75	Paris, France	FX	0.5	Police
7655.0	425/50R	CNM16	Rabat (Tangier), Morocco	FX	10.0	MAP
			[Beamed to Northeast Africa]			
7655.0	B8E	....	Bloemfontein, RSA	FX	1.0	Net Control
7656.0	A1*	....	Beijing, PRC	FX	5.0	XNA Nx CC 0000-0300, 0730-0900 & 1130-2400
7656.0	CW	↑"w"	unknown	FX	....	Beacon
7656.0	CW	"KRN"	unknown	FX	....	QRU QRU QRU
7656.5	CW	....	Paris, France	FX	0.1	Swiss EMBASSY
7657.0	170/75N	....	numerous, mostly in North America	FX/MA	...	DEA/USCG Combined operations (Primary night frequency) [Code name station "EPIC" appears to be Net Control]
7658.0	425/75R	YZD	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE 0900-1000, 1100-1200, 1300-1400 & 1600-1730 (Not on Sundays) (Sundays, only) 1800-1830 & 2000-2100 TANJUG Nx Serbo-Croat 2000-2100 (Not on Sundays) [Non-directional]
7660.0	USB	VKA	Adelaide, SA, Australia includes: VKC, Melbourne; VKI, Perth; VKR Brisbane; VKT, Hobart & VKX, Canberra; etc.) [May be referred to as Channel 4]	FX	1.0	Police (Also)
7660.0	USB	VKG	Sydney clg VKG, Lord Howe Island			
7660.0	425/50R	CLN78	Havana (Bauta), Cuba	FX	20.0	
7660.0	CW	....	numerous, Italy nationwide ated by the Italian Minister of the Interior	FX	....	Tfc Net (Oper-)
7662.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
7665.0	CW	↑UGE2	Bellingshausen Base, Antarctica	FX	....	USSR
7665.0	850/50R	CUA33	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
7667.0	425/50R	BAG46	Beijing, PRC	FX	30.0	XNA [Beamed to Europe]
7667.3	CW	"W6R"	unknown	FX	....
7668.0	USB	....	unknown, probably in Mexico	FX	....	Net/SS
7670.0	AM	....	RADIO SOFIA, Sofia, Bulgaria	BC	10.0	Domestic Service
7670.0	425/50R	RCQ72	Iakutsk, USSR	FX	15.0	Meteo
7670.0	FAX	RCC76	Moscow, USSR	FX	15.0	Meteo
7673.0	850/50N	JAG57	Tokyo, Japan	FX	10.0	
7673.0	....	↑HBD20	Berne, Switzerland	FX	....	EMBASSY
7674.0	425/50R	BZL39	Wulumuqi, PRC	FX	10.5	XNA
7676.0	B8E	TJF76	Douala, Cameroon	FX	6.0	Tfc/Brazzaville
7677.0	B8E	↑FTH67	Paris (St. Assise), France	FX	20.0	Telcom
7677.0	CW	HBD20	Berne, Switzerland	FX	....	EMBASSY
7678.0	*170/75R	SRZ922	Warsaw, Poland	FX	1.0	Yugoslav EMBASSY
7678.1	750/50N	↑OJ017	unknown	....	....	RYRY/AA
7680.0	170/50*	↑MKG	London (Stanbridge), England	FX	....	DCN
7680.0	USB	....	numerous, USA nationwide cludes: AGA1HA, Hanscom AFB, MA; AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGA5MC, McChord AFB, WA; AGA6TR, Travis AFB, CA; AIR, Pentagon [Andrews AFB, VA], DC., etc.)	FX	....
7680.0	700/...e	....	unknown			

kHz	Mode	Call	Location	Service	kW	Remarks
7684.0	850/50N	CSZ	Lisbon Aeradio, Portugal	AX	2.0	Tfc/Porto Santo (HX)
7685.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7685.0	1000/50R	RWB75	Moscow, USSR	FX	15.0	Meteo
7686.0	FAX	....	unknown, probably in North America	FX	....
7687.5	850/50R	BAM38	Beijing, PRC	FX	30.0	Tfc/Berne
7688.0	425/50R	BZT47	Wulumuqi, PRC	FX	25.0	XNA
[Beamed to Europe]						
7688.0	B8E	†FTH68	Paris (St. Assise), France	FX	20.0	Telcom
7689.0	AM	....	unknown	....	....
7690.0	425/50N	RAW79	Moscow, USSR	FX	50.0	Tfc/Damascus
7690.0	425/75R	....	unknown	FX	2.0	APN
7690.0	850/...e	....	unknown	FX	....	USN
7691.0	USB	....	Funafuti, Tuvalu	FX	0.2	Police
7693.0	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
7693.0	*850/50N	†3BT3	Vacoas, Mauritius	FX	3.0	Meteo
7693.9	*425/50R	SOH269	Warsaw, Poland	FX	20.0	Tfc/Havana
7695.0	425/75R	CLN80	Havana (Bauta), Cuba	FX	50.0	Tfc/FE
7695.0	425/50R	....	Prague PTT to Beirut	FX	....
7695.0	425/50R	3MA26	Taipei, Taiwan	FX	....	CNA Nx EE 0230-0330
(Neither broadcast on Sundays) 0930-1030						
["CEP" Service] (Daily) 1330-1430						
7695.0	425/50R	RMD51	Moscow, USSR	FX	15.0	Bakhtar Nx EE
(Not on Saturdays) 0415-0545 [Beamed to the Middle East]						
[Beamed to the Middle East]						
7697.5	CW	"XL7S"	unknown	FX	....
7698.0	850/...e	....	unknown	FX	....
7698.5	USB	PCW2	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
7698.5	USB	PCW	The Hague, Netherlands	FX	1.2	MFA
7698.5	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
7700.0	425/75N	PCW2	Jerusalem, Israel	FX	0.8	Dutch EMBASSY
7700.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
7700.0	425/50R	†RWQ	Irkutsk, USSR	FX	1.0	Meteo
7700.0	USB	....	several, USA nationwide	FX	....	DOE
[Uses call prefix "KRF" or "KRM" for fixed stations and "Lobo" for mobiles]						
7700.0	USB	....	unknown says: THAT'S A COPY, OVER	"TEST ONE"	"TEST TWO"	
7700.0	B8E	XTA77	Ouagadougou, Upper Volta	FX	20.0	Telcom/Tfc
7704.0	170/50*	MKD	Akrotiri, Cyprus	FX	2.0	DCN
7704.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
7705.0	425/50R	CML9	Havana (S. Pedro Bauta), Cuba	FX	3.0	Tfc/New York
7705.0	....	†5AF	Tripoli Aeradio, Libya	AX	....
7705.0	CW	UUK	Aklalakaki, USSR	FX	....
7705.0	CW	NMN	NAVCOMMSTA Portsmouth, VA	FX	....	USCG/USN
7705.0	USB	....	numerous, unknown	FX	....	Net/SS
7706.0	CW	AOK	NS Rota, Spain	FX	5.0	USN(NOAA re-ports wx broadcasts at 0030, 0630, 1230 & 1900)
Seasonal ice warnings at 0500 & 1700						
7706.5	USB	....	Vandenberg AFB, CA	FX	....	USAF/WSTC
(Uses callsign "Abnormal 10")						
ORION COORDINATOR, ABNORMAL 10, etc.						
7707.5	850/50R	BAX62	Beijing, PRC	FX	40.0	Tfc/Paris
7708.5	425/50R	CNM18	Rabat (Tangier), Morocco	FX	10.0	
7709.3	F1B	SUA33	Cairo, Egypt	FX	....
7710.0	FAX	VFF	Frobisher CG Radio, NWT, Canada	FX	2.5	Meteo (Seasonal)
7710.0	170/50*	MKG	London (Stanbridge), England	FX	3.5	DCN
7710.0	F1B	HET9	Berne, Switzerland	FX	4.0	Tfc/Tel Aviv
7710.2	425/50N	LRO30	unknown	FX	....
7710.7	675/50R	....	unknown	FX	....	too weak
7712.5	USB	PCW2	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
7713.0	425/50R	BCW23	Shanghai, PRC	FX	40.0	Tfc/Havana
7714.0	425/75N	PCW2	Jerusalem, Israel	FX	0.8	Dutch EMBASSY
7714.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
7715.0	975/50N	RCU71	Novosibirsk, USSR	FX	20.0	Meteo
7715.1	150/...e	....	unknown	FX	....
7716.8	CW	"A34"	unknown	FX	....	Coded Tfc
7717.5	USB	....	Norwegian Sea & North Atlantic LORAN Net	FX	..	USCG (Includes: JXL, B0, Norway; JXP, Jan Mayen Is.; N S, Shetland Is.; OUN, Ejde, Denmark & OVY, Angissog, Greenland)
7717.8	650/...e	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
7719.0	CW	†KNY23	Washington, DC	FX	1.0	Czech EMBASSY
7720.0	.....	"KPO"	Vientiane, Laos	FX	....	VNA Nx Feed 0830-1000
7720.0	425/...e	....	unknown	FX	....	USAF
7720.5	USB	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
7722.5	CW	FN043	Paris (Orly), France	AX	3.0	Tfc/Brazzaville
7722.5	*425/50R	....	Villacoublay Air, France	FX	3.0	FAF
7724.0	CW	KRH50	London, England	FX	1.0	USA EMBASSY
7724.0	CW	†AEB30	unknown	FX	....	USA EMBASSY
7725.0	425/50R	SOH272	Warsaw, Poland	FX	20.0	
7726.5	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
7727.5	425/50R	†FDY	Orleans Air, France	FX	2.5	French AF
7730.0	425/50R	BSB95	Lanzhou, PRC	FX	2.0	Meteo
7730.0	CW	ETG75	Addis Ababa, Ethiopia	FX	3.0	Algerian EMBASSY
7730.0	CW	....	unknown	FX	....	AA
7730.0	850/50N	LBJ	Harstad, Norway	FX	1.0	Norwegian Army
7732.5	CW	SMA7	Stockholm (Norrköping), Sweden	FX	2.5	(NOAA reports wx broadcasts at 0949, 1148 & 2048)-plus seasonal Baltic Sea ice warnings
7733.0	425/50R	ODT	Beirut Aeradio, Lebanon	AX	4.0	Tfc/Vienna
7733.0	USB	....	unknown —also Piccolo	FX	....
7735.0	850/50N	JAG77	Tokyo, Japan	FX	25.0	Tfc/Africa
7735.0	USB	"AF1"	"AIR FORCE ONE" in flight	MA	....	USAF/VIP a/c
7736.0	CW	†VDT	possible call in error	FX	....
7736.0	CW	....	unknown	FX	....	Coded Tfc
7737.5	LSB	....	unknown, probably in Mexico	FX	....	Net/SS
7738.0	CW	BFP??	Xian, PRC			
7739.9	USB	†XBI292	unknown	FX	....
7739.9	USB	†XBT350	unknown	FX	....
7739.9	B8E	9HC35	Malta, Malta	FX	6.0	Telcom/Tfc
7740.0	USB	....	Norfolk Island Radio, Australia	AX	0.1	
7740.0	USB	ZKS	Rarotonga Radio, Cook Islands	AX	1.0	Aero Net
7740.0	USB	ZKAK	Auckland Radio, New Zealand	AX	5.0	
7740.0	USB	ZLC31	Chatham Island Radio, New Zealand	AX	0.3	
7740.0	B8E	9RE77	Lubumbashi, Zaire	FX	0.8	Net Control
7740.0	425/...e	....	unknown	FX	....	STRONG!
7742.0	CW	YFA1	Makassar, Indonesia	FX	....
7744.0	425/50R	BUA53	Wulumuqi, PRC	FX	5.0	XNA
7745.0	B8E	†NAW27	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom/Tfc
7745.0	F7B	RKE	Moscow, USSR	FX	15.0	Tfc/EUR
7747.0	CW	....	unknown	FX	....	Coded Tfc
7748.0	850/50R	BAY51	Beijing, PRC	FX	15.0	Tfc/Moscow
7750.0	FAX	RAW78	Moscow, USSR	FX	15.0	Meteo (cont.)
7750.0	425/75R	RAW78		FX	15.0	APN
[Beamed to Europe]						
7750.0	850/...e	NPG	NAVCOMMSTA San Francisco, CA	FX	15.0	USN
7752.5	850/50N	WFA57	New York, NY	FX	50.0	
7753.7	375/50R	....	unknown	FX	....	RYRY
7755.0	425/50R	BPL63	Beijing, PRC	FX	10.0	XNA
7756.0	425/50R	SUA34	Cairo, Egypt	FX	....	MENA EE/FF Nx 1700-2400, or close
7756.2	850/50N	WFB37	New York, NY	FX	50.0	Tfc/SA
7756.5	LSB	†NAW12	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom/Tfc
7759.5	FAX	†RID27	Irkutsk, USSR	FX	15.0	
7760.0	1000/50R	RGH77	Arkhangelsk, USSR	FX	....	Meteo
7760.0	425/50R	RRQ24	Alma Ata, USSR	FX	15.0	TASS Nx EE 1415-2400
7760.0	LSB	....	Caracas, Venezuela	FX	....	Net
7762.0	USB	P2I	Port Moresby Air, Papua New Guinea	AX	1.0	
7763.5	USB	....	numerous, in Mexico	FX	....	Commercial Tfc
7765.0	USB	....	several, in northeast Australia	AX	....	Commercial Tfc
7765.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
7765.0	425/...e	....	unknown, possibly in Far East	FX	....
7765.0	USB	....	unknown		....
7765.0	USB	....	unknown, possibly AGAR21			
7765.0	USB	....	unknown		....	ARIA CONTROL
7768.5	USB	....	Greenville, NC	FX	50.0	VOA Feeder
7770.0	USB	LSM397	Buenos Aires, Argentina	FX	0.4	Net Control
7770.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Domestic Service
7770.0	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo (0653-0816)

kHz	Mode	Call	Location	Service	kW	Remarks
7771.0	425/50R	FTH77	Paris (St. Assise), France	FX	20.0	Tfc/Hanoi
7771.5	USB	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
7773.2	850/50N	ATU58	New Delhi, India	FX	40.0	ISI Nx EE 1600-1730
(Not on Sundays) [Appears to be addressed to EMBASSIES]						
7775.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
7775.5	F7B	RCW7	Simferopol, Ukrainian SSR	FX	60.0	
7777.0	USB	OHU28	Warsaw, Poland	FX	1.0	Finnish EMBASSY
7777.1	475/75Rc	....	unknown	FX	....
7778.1	CW	"2M8"	unknown	FX	....	Coded Tfc
7778.2	CW	LMB7	Bergen, Norway	FC	0.5	(NOAA reports broadcasts at 1305 & 2240)
7780.0	USB	....	numerous, Canada nationwide	FX	....	Telcom Nets
7780.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	External Service
7780.2	850/50R	LBJ	Harstad, Norway	FX	....	Norwegian Army
7781.0	AM	....	unknown	FX	....	Scrambler
7784.0	425/50N	Y2H7	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
7784.0	...	DFG78	Deutsche Sportverlag			
7784.4	CW	....	unknown	FX	....	Meteo
7785.0	900/50R	RBK75	Moscow, USSR	FX	....	Meteo
7785.0	850/75Ne	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	USN
7785.0	850/75Ne	NDJ	NAVCOMMSTA Kwajalein Island	FX	3.0	USN
7785.0	850/75Ne	NAU	NAVCOMMSTA San Juan, PRC	FX	3.0	USN
7785.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
7785.0	FAX	....	unknown	FX	....
7786.0	USB	VJU	Norfolk Island	FX	15.0	Telcom/Sydney
7788.0	CW	GFT27	Bracknell, England	FX	3.5	Meteo
7788.0	CW	"WKP"	unknown, very probably in Cuba	FX	....
7789.0	USB	....	unknown ("Keep me posted")	FX	....	Telcom
7790.0	425/50R	BAK37	Beijing, PRC	FX	50.0	XNA
[Beamed to South America]						
7790.0	425/50R	CLN83	Havana (Bauta), Cuba	FX	20.0	Tfc/Algiers
7790.0	850/50N	†RBNF	Moscow Aeradio, USSR	AX	....	Tfc/Egypt
7790.0	425/45Ne	KIA84	Powder Springs, GA	FX	1.0	FCC
7790.0	425/45Ne	KOA56	Ferndale, WA	FX	1.0	FCC
7791.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
7793.0	*425/50R	"VEJ68"	unknown	FX	....
7794.0	AM	....	unknown			
7794.5	CW	....	unknown, possibly in Morocco	FX	....
7796.0	425/50R	†BZZ22	Nanking, PRC	FX	....
7798.0	425/...e	....	unknown	FX	....	(also data)
7799.0	B9W	TFK	Keflavik Airport, Iceland	FX	2.0	USAF
7799.2	425/50R	†9HA	Luqa Aeradio, Malta	AX	....
7800.0	USB	....	numerous, mostly SA, Australia	FX	....	Commercial Tfc
7800.0	425/50R	BLM66	Chengdu, PRC	FX	2.0	Meteo
7800.0	425/50R	....	Teherean, Iran	FX	....	IRNA Nx EE 1500-1730
[Beamed to East Africa & Southeast Asia]						
Nx EE 1900-2030						
[Beamed to western Europe]						
7800.0	F1B	IRNA	unknown	....	Nx EE	
7800.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
7800.0	425/50R	YZG	Belgrade, Yugoslavia	FX	10.0	Tanjug
[Non-ldirectional]						
7800.4	USB	....	numerous, USA nationwide	FX	....	FEMA
7801.0	850/50N	ZEO36	Cape D'agular, Hong Kong	FX	2.5	Tfc/Bandung
7803.0	USB	VJI	Mount Isa, Qld., Australia	FX	....	School of the Air
7803.4	LSB	....	numerous, USA nationwide	FX	....	FEMA
7803.5	425/50R	STK	Khartoum Aeradio, Sudan	AX	3.5	[JSA] Tfc/Jeddah
7804.0	B9W	BAS46	Beijing, PRC	FX	25.0	Tfc/Algiers
7806.0	425/50R	YZD7	Belgrade, Yugoslavia	FX	30.0	TANJUG Nx EE
(Sundays, only) 1800-1830						
2000-2030 (Not on Sundays)—for EMBASSIES—75 baud)						
(Not on Sundays) 2100-2200						
[Non-directional]						
7807.0	425/50R	BZW37	Wulumuqi, PRC	FX	10.5	XNA
7808.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
7808.3	425/100R	OEM27	Vienna Aeradio, Austria	AX	5.0	Meteo
7809.0	AM	....	unknown	....	....	sounds like CC
7810.0	B8E	TJF78	Douala, Cameroon	FX	2.0	Telcom
7811.0	USB	....	unknown	FX	....	Net
7812.0	*425/50R	Y7B32	Belgrade, Yugoslavia	FX	1.0	GDR EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
7812.5	CW	ONN30	Brussels, Belgium	FX	0.5	EMBASSY
7812.5	425/50R	Y7A34	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
7812.5	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
7814.5	425/50R	YOH28	Bucharest (Raccari), Rumania	FX	1.5	Tfc/Prague
7815.2	850/50N	....	unknown	FX	....	Coded Tfc "DE BANK"
7816.0	850/75R	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
7816.0	425/50N	HSJ29	Bangkok (Laksi), Thailand	FX	5.0	Tfc/Calcutta
7816.5	CW	FDI	Aix les Milles Air, France	FX	....	French AF
7818.4	170/ARQ	JXZ	Oslo (Kolasaas), Norway	FX	2.0	Norwegian Army/NATO
7819.9	CW	"4MO"	unknown	FX	....
7820.0	USB	....	unknown, Central Europe	....	....	DD/unit net, several sh
7820.0	B9W	ZLQ	Scott Base, Antarctica	FX	1.0	
7820.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
7820.0	850/50N	....	Tokyo Aeradio, Japan	FX	....	NOTAM
7821.0	850/75N	KSU78	Athens, Greece	FX	1.0	USA EMBASSY
7821.5	425/50R	KWC47	Cairo Aeradio	AX	2.5	[HECA] Tfc/Damascus
7822.1	170/ARQ	....	unknown	FX	....	Idling
7823.5	USB	TUA47	Abidjan, Ivory Coast	FX	6.0	Telcom
7825.0	425/75Ne	CUX23	Glória, Portugal	FX	3.0	RFE/RL Talkback
7827.5	USB	....	Naha, Okinawa, Japan	FX	0.3	JSDA Net Control
7828.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
7830.0	AM	....	broadcaster with YL could be CC			
7830.0	170/50N	OWS3	Copenhagen, Denmark	FX	0.2	INTERPOL
7830.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
7830.0	CW	"VV0"	unknown	FX	....
7830.0	LSB	....	unknown	FX	....	Net/SS
7830.3	CW	"KAP"	unknown	FX	....	EE/Nx
7832.0	CW	FSB69	Paris (St. Martin Abbat), France	FX	3.0	INTERPOL
7832.4	170/45R	....	numerous, worldwide	FX	....	USAF/MARS
7835.0	USB	XN8910	Happy Valley, Nfld., Canada	FX	0.1	Commercial Tfc
7835.0	USB	XNX326	St. Johns, Nfld., Canada	FX	0.1	Commercial Tfc
7835.5	USB	....	unknown, could be above stations changing freq			
7835.6	USB	....	numerous, Pacific Ocean area	FX	....	USN
7836.0	500/....e	....	unknown, probably in Far East	FX	....
7836.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 7918.5 & 8063.6]
7838.0	170/75R	....	several, Pacific Ocean area	FX	....	USCG
7839.5	850/50N	YWQ7	Mavacay, Venezuela	FX	....	Meteo
7840.0	B8E	↑ZKS34	Rarotonga, Cook Islands	FX	10.0	Telcom/Wellington
7840.0	850/50R	BCO21	Shanghai, PRC	FX	15.0	Tfc/Prague
7840.0	850/50R	CLN86	Havana (Bauta), Cuba	FX	5.0	Tfc/Caracas
7840.0	425/75R	RAW77	Moscow, USSR	FX	60.0	APN
7840.0	850/....e	....	unknown	FX	....	Idling
7842.4	425/50R	CNM20/1X	Rabat (Tangier), Morocco	FX	10.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 sked 6/84 to Europe + South Asi.
7842.4	F1B	CNM20/X1	unknown	....	....
7843.0	F1B	....	Dakar Aeradio, Senegal	AX	....	[DBA] Tfc/Bamako
7843.9	850/50N	YWQ7	Maiquetia Aeradio, Venezuela	AX	....
7844.0	750/....e	....	unknown	FX	....	Idling
7845.0	*425/50R	SOH284	Warsaw, Poland	FX	20.0	PAP
[Beamed to South America]						
7845.0	USB	....	several, in South Pacific	MS	....	Oil Drilling
7846.0	B8E	↑....	Daventry, England	FX	30.0	BBC Feeder
7847.0	425/50R	SOH384	Warsaw, Poland	FX	20.0	PAP
[Beamed to Europe]						
7850.0	425/50N	ZAT	Tirana, Albania	FX	....	ATA Nx FF 1100-1230 1900-1930
7850.0	AM	....	FUJIAN FRONT, Fuzhou, PRC	BC	10.0	PLA Service
7850.0	F1B	....	Teheran, Iran	FX	....	IRNA Nx EE 1900-2030 [Beamed to Eastern Europe]
7852.6	F7B	RLQ7	Riazan, USSR	FX	60.0	
7853.0	425/50R	SYD	Nairobi Aeradio, Kenya	AX	....
7855.0	425/50R	BAC57	Beijing, PRC	FX	5.0	XNA
7855.0	1000/50R	ROK24	Moscow, USSR	FX	20.0	Meteo
7856.0	CW	....	powerhouse signal no clear ID 1025-35 little activity			

kHz	Mode	Call	Location	Service	kW	Remarks
7857.5	F1B	IBA	Naples Naval, Italy	FX	....	Italian Navy/NATO
7857.8	CW	....	unknown		....	watery & weak
7858.0	B9W	CUW	Lajes Field, Azores	FX	10.0	USAF
7859.0	CW	↑ZBP	Pitcairn Island	FX	0.7	Tfc/Suva
7860.0	425/50N	JYA33	Amman, Jordan	FX	3.0	
7860.0	425/50R	HMH32	Pyongyang, PDR Korea (North)	FX	....	KCNA Nx EE 1500-1730 [Non-directional]
7860.0	425/50R	RAW76	Moscow, USSR	FX	20.0	Meteo
7861.0	USB	CJR680	Sable Island, NS, Canada	FX	0.5	Telcom
7861.0	USB	VCC43	Dartmouth, NS, Canada	FX	0.3	Telcom
7863.0	425/50R	BJZ21	Hangzhou, PRC	FX	2.0	Meteo
7863.0	425/50R	↑6VU46	Dakar Aeradio, Senegal	AX	5.0	
7863.0	CW	↑NKT	Cherry Point NAS, NC	FX	....	USN
7863.5	425/50R	SOH286	Warsaw, Poland	FX	20.0	Tfc
7867.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
7868.0	425/50R	6MK50	Seoul, Republic of Korea (South)	FX	3.0	Yonhap Nx EE (Not on Sundays) 0030-0430 (Daily) 0730-0830 [Non-directional]
7870.0	850/50N	CSU3	Porto Santo Aeradio, Madeira Is.	AX	1.0	Tfc/Lisbon
7870.0	USB	....	unknown	FX	....	Telcom (scrambled)
7870.0	525/....	....	unknown	FX	....
7872.0	170/50N	....	Bogota Aeradio, Colombia	AX	....	[MCBO]
7873.0	....	↑GPR27	London (Oxford), England	FX	75.0	REUTERS
7875.0	425/50R	RNN52	Moscow, USSR	FX	20.0	TASS [Beamed to Western Europe]
7875.0	FAX	....	unknown, probably in North America	FX	....
7876.1	650/50N	....	unknown garbled text abt scapel & boat			
7878.5	USB	OEC44	Tel Aviv, Israel	FX	2.0	Austrian EMBASSY
7879.0	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
7880.0	425/50N	Y2H8	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
7880.0	FAX	DDK3	Quickborn, GFR	FX	....	Meteo
7880.0	*170/75R	OEC44	Tel Aviv, Israel	FX	2.0	Austrian EMBASSY
7880.0	170/75R	OEC61	Rome, Italy	FX	1.0	Austrian EMBASSY
7880.0	425/50N	Y7K25	unknown	FX	....	GDR EMBASSY
7885.0	850/75R	9VF37	Singapore	FX	8.0	Tfc
7887.0	425/50R	BZS27	Wulumuqi, PRC	FX	40.0	XNA [Beamed to East Africa]
7887.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7887.0	425/75N	4U227	Geneva, Switzerland	FX	20.0	UN
7887.0	LSB	....	numerous, southeastern Brazil	FX	....	Net/PP
7889.2	250/75R	....	unknown, apparently in Vietnam	FX	....	Nx VV
7890.0	USB	ZLBC3	Campbell Island, New Zealand	FX	1.0	Telcom/Wellington
7890.0	USB	ZME20	Raoul (Sunday) Island, New Zealand	FX	1.0	Telcom/Wellington
7890.0	425/50R	RAW74	Moscow, USSR	FX	80.0	TASS
7890.0	425/50N	ROQ3	Novosibirsk, USSR	FX	....	Meteo
7890.0	475/50N	....	wx for 29003/19332/29128	FX	....
7891.0	170/75R	OEC	Vienna, Austria	FX	10.0	EMBASSY
7892.0	850/50N	9VF38	Singapore	FX	8.0	Tfc/Tokyo
7892.5	425/50R	ONN45	Brussels, Belgium	FX	0.4	Austrian EMBASSY
7892.5	J2B	OEC21	Warsaw, Poland	FX	1.0	Austrian EMBASSY
7893.5	USB	....	numerous, Hawaii to US east coast	FA/FC	...	USN (Usually: NAM, Norfolk, VA; NAX, Barbers Pt., HI; NEL Lakehurst NAS, NJ; NFC, Cape May NAS, NJ; NGZ, Alameda NAS, CA; NHH, Patuxent NAS, MD; NHZ, Brunswick NAS, ME; etc.)
7894.0	850/....	FUB	Paris (Houilles) Naval, France	FX	20.0	French Navy
7894.0	*425/50R	OEC61	Rome, Italy	FX	1.0	Austrian EMBASSY
7894.0	*425/50R	SOH289	Warsaw, Poland	FX	20.0	
7894.2	550/50R	OLX2	Prague, Czechoslovakia	FX	30.0	Tfc/FE
7895.0	*850/....	FUF	Fort de France Naval, Martinique	FX	5.0	French Navy
7895.5	FAX	....	unknown, but strong		....	signal strong
7896.0	....	....	unknown-something strong here-not	FAX	....	very strong
7897.0	425/50R	SOH389	Warsaw, Poland	FX	20.0	PAP Nx EE 1700-1730 [Beamed to the Middle East]
7898.4	CW	"E"	unknown	RC	....	Beacon
7899.8	425/75R	HVQ7	Hanoi, Vietnam	FX	....	VNA Nx VV 0100-1600 [Directed to "GPX", Ho Chi Minh City—not continuous]
7900.0	425/50R	BZK27	Wulumuqi, PRC	FX	40.0	XNA [Beamed to South America]
7900.0	850/50N	9VF39	Singapore	FX	8.0	Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
7900.0	425/50R	HBT77	Berne, Switzerland	FX	7.0	Tfc
7900.0	F7B	RTLL	Khabarovsk, USSR	FX	15.0	TASS
				[Beamed to the Far East]		
7900.0	....	"CLV"	unknown	FX	....
7902.0	1700ARQ	FIT513	Prefecture Marseill			
7902.2	425/50N	TZH	Bamako, Mali	FX	....	Tfc
7905.0	CW/AM	5AH	Benina Radio, Libya	AX	....
7905.5		"K"	unknown	RC	....	Beacon
7906.0	CW/84	↑FSB70	Paris (St. Martin Abbat), France	FX	3.0	INTERPOL
7910.0	FAX	....	unknown	....	14.0	
7910.0	CW	HAM	Budapest Aeradio, Hungary	AX	1.0	
7910.0	1000/50R	RWJ	Alma Ata, USSR	FX	15.0	Meteo
7910.0	USB	....	several, USA nationwide	FX	....	USAF
7910.0	425/...e	....	unknown	FX	....
7912.5	425/50R	YZD8	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
				1500-1545 [Beamed to the Far East]		
7913.5	USB	AGA6TR	Travis AFB, CA	FX	1.0	USAF/MARS
7913.5	USB	ATR	Pentagon (Andrews AFB, MD), VA	FX	1.0	USAF/MARS
7913.5	850/...e	....	unknown	FX	....
7914.0	USB	....	numerous, Mexico nationwide	FX	....	Net
7915.0	425/50R	BAT97	Beijing, PRC	FX	10.0	XNA
7915.0	425/50R	CNM23	Rabat (Tangier), Morocco	FX	20.0	Tfc/La Paz
7915.0	850/45R	....	numerous, USA nationwide	FX	....	USAF/MARS
7917.5	425/50N	Y2H9	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/FE
7918.0	USB	"YHF"	unknown	....	....	LETTERS/EE/YL
7918.1	425/50R	↑4XQ97	Tel Aviv, Israel	FX	3.5	Tfc/Moscow
7918.2	500/50R	5TQ7	Zouerate, Mauritania	FX	0.1	Commercial Tfc
7918.5	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
7918.8	425/...e	....	unknown	FX	....
7919.0	USB	....	unknown, tactical net("Plaster", "Pidium", "Maybell", etc.)			
7920.0	CW	HRV	La Ceiba, Honduras	....	....
7920.0	AI*	....	Beijing, PRC	FX	3.0	XNA
7920.0	USB	50X20	Kaduna, Nigeria	FX	....	wkg "357"
7920.0	CW	EBB	Ferrol de Caudillo Radionaval, Spain	FX	1.0	Spanish Navy
7920.0	CW	EBB	Cadiz Radionaval, Spain	FX	1.0	Spanish Navy
7920.0	MULCAST	....	Davidsonville, MD	....	....	16 channels
7920.5	425/...e	....	unknown, probably in Far East	FX	....
7922.5	*850/50N	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
7922.5	*850/50N	VNJ	Casey Base, Antarctica	FX	10.0	ANARE
7923.0	F7B	BPJ34	Beijing, PRC	FX	10.0	XNA Feeder (cont.)
7924.7	LSB	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
7925.0	850/50N	CTU27	Monsanto Naval, Portugal	FX	1.0	[RPFN] Port. Navy
7925.0	LSB	ROK22	Moscow, USSR	FX	20.0	Feeder for RADIO ORBITA-2
7925.0	425/50R	ROK22		FX	20.0	Tfc
7926.0	CW	EBJ	Palma Naval, Mallorca, Spain	FX	1.0	Spanish Navy
7930.0	FAX	LRO48	Buenos Aires, Argentina	FX	10.0	NA Nx photos
				(Not Saturdays & Sundays) 0100-0200		
				(Not Sundays) 2000-2200		
				(Sundays, only) 2100-2300		
7930.0	CW	↑FDC6	Luxevil Air, France	FX	....	French AF
7930.0	LSB	AEA	unknown town, definitely in GFR	FX	....	US Army
7930.0	170/75Rc	ULV	Moscow, USSR	FX	25.0	Tfc
7930.4	USB	....	numerous, USA nationwide	FX	....	FEMA
7931.5	850/75Ne	ZLK41	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
7933.0	425/75N	....	Vienna, Austria	FX	....	Polish Embassy
7933.6	LSB	....	numerous, USA nationwide	FX	....	FEMA
7933.6	LSB	....	unknown—deep southern accents	FX	....	MARS or CAP or FEMA??
7934.5	425/50N	ELRB	Monrovia Aeradio, Liberia	AX	....
7934.8	475/...e	....	unknown	FX	....
7935.0	AM	....	RADIO BEIJING, Beijing, PRC	FX	15.0	Domestic Service
7935.0	CW	COY895	Havana Naval, Cuba	FX	....	Russian Navy
7937.0	850/50R	Z2A	Harare Aeradio, Zimbabwe	AX	4.0	Tfc/Jo'Burg
7937.0	850/...e	....	very strong—idles on SP short xmsns—says 75; looks R, inverted			
7937.5	CW	HGX39	New Delhi, India	FX	1.0	Hungarian EMBASSY
7938.0	USB	AKA	Elementendorf AFB, AK	FX	1.0	USAF
7939.5	B9W	VDD	Debert, NS, Canada	FX	10.0	[RCEC] C. Forces
7940.0	USB	....	Recife Radio, Brazil	AX	2.5	Tfc/Dakar
7940.0	425/50N	9HA	Luqa Aeradio, Malta	AX	1.5	

kHz	Mode	Call	Location	Service	kW	Remarks
7940.0	850/50R	RKK	Moscow, USSR	FX	25.0	Tfc/Havana
7942.0	850/75R	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
7942.5	RTTY	ZPN	Asuncion Aero, Paraguay	....	....
7943.0	425/50N	ATQ58	New Delhi, India	FX	10.0	PTI Nx EE 1830-1900
						[Beamed to Japan & South Korea]
7943.0	425/50R	YOH39	Bucharest, Rumania	FX	10.0	
7943.0	B8E	....	unknown	FX	....	R. Moscow Feeder
7943.9	325/50Rc	....	unknown	FX	....
7944.0	425/...e	....	unknown	FX	....	Idling
7945.0	850/...e	....	numerous, Pacific Ocean area	FX	....	USN
7945.0	FAX	Z2A54	Harare, Zimbabwe	FX	1.0	Meteo
7946.0	170/75Nc	....	unknown	FX	....
7947.0	425/...e	....	unknown	FX	....	Idling
7950.0	425/50N	Y2V6	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 1500-1650
			1700-1850 & 2100-2250			[Beamed to the Far East]
7950.0	425/50R	RTV56	Tbilisi, Georgian SSR	FX	80.0	Tfc/Havana
7950.0	CW	....	unknown	FX	....	Coded Tfc
7951.5	CW	JXU8	Bodoe, Norway	FX	....	Norwegian Navy
7953.0	USB	CFW	Vancouver, BC, Canada	FX	....	Telcom
7954.0	425/50N	†HZJ	Jeddah Aeradio, Saudi Arabia	AX	5.0	[JEA] Tfc/Cairo
7954.2	CW	"K"	unknown	FX	....	Beacon
7954.3	425/50R	LRN85	Buenos Aires, Argentina	FX	5.0	DYN Nx SS (cont.)
7954.5	850/50R	CVI79	Montevideo, Uruguay	FX	10.0	AP Nx SS 0100
7955.0	CW	HSA	Bangkok, Thailand	FC	....	NOAA reports
						wx broadcasts at 0150 & 0750
7955.5	LSB	VZ8SJ	Alice Springs, NT, Australia	FX	0.1	Net Control/Telcom
7956.0	425/50R	HJS31	Bangkok, Thailand	FX	....	Tfc/Hanoi
7957.0	250/75Rc	....	unknown	FX	....
7959.2	.../75	†....	Croughton (Barford), England	FX	....	[EGWR] RAF
7960.0	USB	VZ4CT	unknown	FX	....	Net Control ARDXC 3'84
7960.0	USB	"CP"	unknown, probably in Australia	FX	....	"Channel 3"
7960.0	425/50R	BAW56	Beijing, PRC	FX	....	XNA Nx EE 1345-1500
7960.0						[Beamed to Pakistan]
7960.0	*425/75R	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
7960.0	425/50R	....	Teheran, Iran	FX	....	IRNA Nx EE 1500-1730
						[Beamed to East Africa & the Middle East]
						Nx EE 1900-2030
						[Beamed to the Middle East]
7961.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
7961.0	USB	....	Townsville, Qld, Australia	FX	1.0	Net Control/Telcom
7963.6	USB	....	numerous, worldwide	FA	....	USN
7964.0	USB	....	Duplex telcom Aussies			
7964.5	F1B	....	Buenos Aires, Argentina	AX	....	[BAA] Tfc/Asuncion
7964.5	F1B	....	Asuncion Aeradio, Paraguay	AX	....	[ARA] Tfc/Rio
7965.0	425/50N	†FTH96	Paris (St. Assise), France	FX	20.0	Tfc
7965.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	1.0	[GCMP] USN
7965.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
7965.0	SSB	....	Rome, Italy	FX	....	Telcom
7967.0	FAX	....	unknown	....	
7968.2	USB	NAM	NAVCOMMSTA Norfolk, VA	FX	1.0	USN
7969.0	425/50R	BAS51	Beijing, PRC	FX	25.0	Tfc/Middle East
7969.0	*170/50N	†SHX	Stockholm, Sweden	FX	0.8	INTERPOL
7970.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
7970.0	F7B	RAW73	Moscow, USSR	FX	15.0	TASS Nx AA 1500-2200
						[Beamed to the Middle East]
7970.1	850/45N	CJX	St. Johns, NS, Canada	FX	....
7972.0	USB	SAM38	Moscow, USSR	FX	1.0	Swedish EMBASSY
7972.3	425/50N	XVH7Ø	Ho Chi Minh City, Vietnam	FX	....	Meteo //61/68/69/70/78
7973.0	425/50R	BCP21	Beijing, PRC	FX	15.0	Tfc/Moscow
7973.0	USB/ISB	....	Daventry, England	FX	30.0	BBC Feeder
7975.0	USB	VJY	Darwin, NT, Australia	FX	....	RFDS
7975.0	425/50Rc	SOH297	Warsaw, Poland	FX	10.0	PAP Nx Cyrillic 2100-2130
7976.5	425/50R	FDY	Orleans Air, France	FX	....	FAF
7977.4	325/...e	....	unknown	FX	....
7979.4	275/50N	VNV	Sydney (Doonside), NSW, Australia	FX	2.0	AAP Nx EE 1130-1210
7980.0	B9W	VNV3Ø	Sydney (Doonside), NSW, Australia	FX	1.0	Telcom/Casey
7980.0	425/100R	Y3L	Berlin (Nauen), GDR	FX	5.0	Meteo
7980.0	800/100R	Y3K7	Potsdam, GDR	FX	5.0	Meteo
7980.0	850/...e	AOK	Rota AS, Spain	FX	5.0	USAF/USN

kHz	Mode	Call	Location	Service	kW	Remarks
7980.0	500/50Rc	....	unknown	FX	....
7983.1	170/75R	DMK260	Warsaw, Poland	FX	0.3	GFR EMBASSY
7983.8	300/50N	AWM	Madras Aeradio, India	AX	....
7984.0	B8E	ODF98	Beirut, Lebanon	FX	10.0	Telcom/Tfc
7985.0	425/50R	BBH31	Shanghai, PRC	FX	15.0	Tfc/Jakarta
7985.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
7987.0	425/50R	SOH398	Warsaw, Poland	FX	10.0	Tfc
7987.0	F1B	....	Warsaw Aeradio, Poland	AX	....	[DOS] Meteo
7987.7	120/75Ne	....	unknown	FX	....
7988.0	425/50N	BAL6	Beijing, PRC	FX	15.0	
7989.0	850/50R	†SUC35	Cairo Aeradio, Egypt	AX	2.0	Tfc/Athens
7990.0	850/...e	NAM	NAVCOMMSTA Norfolk, VA	FX	10.0	USN
7991.0	LSB	†....	Daventry, England	FX	30.0	BBC Feeder
7993.5	FAX	....	unknown	FX	....
7995.0	850/...e	....	numerous, USA nationwide	FX	....	USN (active)
7996.0	525/50R	YZD9	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
2000-2100 [Beamed to Africa & India]						
1730-1800 & 1900-2000 (Not on Sundays) [Non-directional]						
Sked to FE						
7996.6	425/50R	FDY	Orleans Air, France	FX	....	French AF
7997.0	*425/50R	SOH299	Warsaw, Poland	FX	10.0	Meteo
7997.3	325/50N	ZEN34	Cape D'aguiar, Hong Kong	FX	3.5	Nx
7998.1	425/50R	FDY	Orleans Air, France	FX	....	French AF
8000.0	FAX	....	unknown	....		1413
8000.0	CW	FUB	Paris (Houilles) Naval, France	FX	2.5	French Navy
8000.0	*AM	JJY	Tokyo (Sanwa, Ibaraki), Japan	SS	3.0	TIME SIGNALS
8000.0	A9X	HLA	Deajeon, South Korea	SS	2.5	TIME SIGNALS
8001.0	*425/50N	SOI200	Warsaw, Poland	FX	50.0	PAP Nx Polish ships at sea]
1200-1300 [To						
8002.0	RTTY	....	Karime Moi El Djatuiri, Algeria	....	....
8005.0	USB	5TQ2	Nouadhibou, Mauritania	FX	0.1	Mining
8005.0	LSB	RCD33	Moscow, USSR	FX	20.0	Feeder for MAYAK & RADIO ORBITA-4
8005.0	850/50R	RCD33	Moscow, USSR	FX	20.0	Tfc/Baghdad
8005.9	375/...e	....	unknown	FX	....
8006.2	B9W	†HSD85	Bangkok, Thailand	AX	7.5	
8006.5	CW	8UF75	New Delhi, India	FX	5.0	INTERPOL
8006.5	*170/50N	JPA22	Tokyo, Japan	FX	5.0	"
(Broadcasts INTERPOL Bulletins to Melbourne, Hong Kong, New Delhi, Kuala Lumpur, etc.)						
8007.0	AM	....	RADIO BEIJING, Xian, PRC	BC	50.0	Domestic Service
8008.0	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
8008.0	425/50R	Y7A35	Berlin (Konigs Wusterhausen), GDR	FX	20.0	MFA EMBASSY
8010.0	850/50N	JAE22	Tokyo, Japan	FX	20.0	
8010.0	FAX	CUA37	Lisbon (Alfragide), Portugal	FX	10.0	
8010.0	F7B	RIC	Moscow, USSR	FX	15.0	TASS
[Beamed to Europe]						
8010.0	850/...e	....	numerous, worldwide	FX	....	USN
8012.0	CW	....	unknown	FX	....	Tfc/SS
8013.0	425/50R	YTQ3	Belgrade, Yugoslavia	FX	10.0	
8014.0	USB	VZ8SK	Katherine, NT, Australia	FX	....	School of the Air
8015.0	LSB	....	numerous, Algeria nationwide	FX	....	Governmental
8015.0	170/50N	EDC7	Las Palmas, Canary Islands	FX	10.0	Meteo
8015.0	B8E	5VH80	Lome, Togo	FX	6.0	Telcom
8015.0	850/50R	BCQ21	Shanghai, PRC	FX	20.0	Tfc/Rome
8015.0	850/50R	Z2A	Harare Aeradio, Zimbabwe	AX	1.0	Tfc/Lusaka
8016.0	425/50R	BAS26	Beijing, PRC	FX	10.0	Tfc/Karachi
8016.0	LSB	....	unknown	FX	....	Net/SS
8017.4	CW	JJC20	Tokyo, Japan	FX	1.0	Police
8017.5	850/...e	IBA	Naples Naval, Italy	FX	1.0	Italian Navy/NATO
8017.8	850/...e	....	unknown	FX	....
8018.0	FAX	OFB28	Helsinki, Finland	FX	5.0	Meteo
(0040, 0740 & 0930)						
8019.2	475/50N	HME46	Pyongyang (Jungsean), PDR Korea	FX	25.0	KCNA Nx EE 1800-2100 [Beamed to Northern Africa]
8020.0	170/50R	CLN212	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
8020.0	CW	OMC2	Bratislava, Czechoslovakia	FX	1.0	Tfc/Izmail
8020.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
8020.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	25.0	[GCMP] USN
8020.0	LSB	AHF1A	San Salvador, Salvador	FX	....	USMILGP

kHz	Mode	Call	Location	Service	kW	Remarks
8020.5	USB	C8B53	Maputo, Mozambique	FX	1.0	Net Control
8021.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes NCI, Sellia Marina, Italy, NCI3, Lampedusa, Italy & NCI4, Karagabun, Turkey) [Alt: 5066.0 & 9474.0]
8022.3	350/50N	FTI2/H1	Paris (St. Assise), France	FX	20.0	AFP Nx EE 1545-0230 ["EXOR" Service] [Beamed to the Far East]
8023.5	350/50N	FTI2/H3	Paris (St. Assise), France	FX	20.0	AFP
8024.4	CW	....	unknown	....	....	wx EE forecast
8026.0	850/....e	....	unknown	FX	....	....
8026.8	CW	....	unknown	....	....	EE wx forecast abt Gulf of Mexico
8027.5	850/....e	....	unknown	FX	....	....
8028.0	850/50N	ZE035	Cape D'aguilar, Hong Kong	FX	8.0	Tfc/Vietnam
8030.0	CW	LOL3	Buenos Aires, Argentina	FX	3.0	Argentinian Navy/ TIME SIGNALS (0100, 1300 & 2100, only)
8030.0	425/50R	BBF25	Shanghai, PRC	FX	15.0	Tfc/Cairo
8030.0	425/50R	RRQ27	Alma Ata, USSR	FX	50.0	TASS Nx EE 1300-2400 [Beamed to Southeast Asia]
8030.0	F7B	RID28	Irkutsk, USSR	FX	15.0	....
8030.0	850/....e	....	numerous, worldwide	FX	....	USN
8030.0	USB	....	unknown, EE with net	(DSWCI says possibly USN Lebanon)	....	....
8032.0	USB	....	unknown	FX	....	Telcom
8035.0	USB	VZ8BZ	Alice Springs, NT, Australia	FX	0.1	School of Air
8035.0	850/75Ne	GYB41	London (Whitehall) Naval, England	FX	10.0	British Navy
8035.0	B9W	9VE27	Singapore	AX	2.5	Tfc
8035.0	575/....e	....	unknown	FX	....	....
8035.5	425/75Rc	....	unknown	FX	....	....
8037.0	425/50R	BZM46	Wulumuqi, PRC	FX	25.0	XNA
8037.0	B9W	IRF40	Rome (Torrenova), Italy	FX	10.0	Telcom
8037.0	USB	CXL21	Montevideo, Uruguay	FX	2.5	Telcom
8038.0	*170/50N	†OEQ41	Vienna, Austria	FX	1.0	INTERPOL
8038.0	*170/50N	†ONA20	Brussels, Belgium	FX	3.0	"
8038.0	170/50N	†....	Helsinki, Finland	FX	1.0	"
8038.0	*170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	3.0	"
8038.0	170/FEC	FSB	" " " "	FX	3.0	"
8038.0	*170/ARQ	DEB	Wiesbaden, GFR	FX	20.0	"
8038.0	170/ARQ	IUV81	Rome, Italy	FX	1.0	"
8038.0	425/50N	CSJ24	Lisbon, Portugal	FX	1.0	"
8038.0	*170/50N	†SHX	Stockholm, Sweden	FX	1.0	"
8038.0	CW	†HEP88	Zurich (Waltikon), Switzerland	FX	3.0	"
8038.0	170/ARQ	....	unknown too weak says RESTED AND OK	....	....	....
8040.0	850/50R	BZC75	Wulumuqi, PRC	FX	1.0	Meteo
8040.0	425/50R	CLN215	Havana (Bauta), Cuba	FX	20.0	Tfc/Rome
8040.0	FAX	GFA23	Bracknell, England	FX	2.0	Meteo (cont.)
8040.0	F7B	†ROK21	Moscow, USSR	FX	20.0	Tfc/Beijing
			(One channel is TASS--second channel is for telegrams)			
8040.0	F1B	ROK21	Moscow, USSR	FX	20.0	....
8042.9	....	....	strange audio-type TTY at about 120 shift at 90R			
8043.0	425/50R	BJZ71	Wuhan, PRC	FX	1.0	Meteo
8043.1	500/....e	....	unknown	FX	....	Idling
8044.0	850/....e	....	unknown	FX	....	....
8045.0	170/ARQ	OEQ42	Vienna, Austria	FX	1.0	INTERPOL
8045.0	*170/50N	†ONA20	Brussels, Belgium	FX	3.0	"
8045.0	170/50N	†OWS3	Copenhagen, Denmark	FX	0.3	"
8045.0	170/50N	†GMP	London (W. Wickham), England	FX	1.0	"
8045.0	170/50N	†....	Helsinki, Finland	FX	1.0	"
8045.0	*170/50N	DEB	Wiesbaden, GFR	FX	20.0	"
8045.0	170/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
8045.0	425/50N	CSJ24	Lisbon, Portugal	FX	1.0	"
8045.0	170/50N	†SHX	Stockholm, Sweden	FX	1.0	"
8045.0	*170/50N	†HEP85	Zurich (Waltikon), Switzerland	FX	3.0	"
8045.0	850/50N	TAF	Istanbul, Turkey	FX	20.0	Tfc
8045.0	170/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	INTERPOL
8045.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
8045.5	170/75	....	INTERPOL	....	....	....
8046.0	425/....e	....	unknown	FX	....	....
8049.0	CW	....	says VVV PLM PLM PLM QSV KK	....	....	....
8049.8	425/50R	HML48	Pyongyang (Bosong), PDR Korea	FX	20.0	KCNA
			[Beamed to India & Iran]			
8050.0	USB	....	numerous, Argentina nationwide	FX	....	Police

kHz	Mode	Call	Location	Service	kW	Remarks
8050.0	CW	S2D	Dhaka Aeradio, Bangladesh	AX	....	Tfc/Rangoon
8050.0	CW	XZW	Rangoon Aeradio, Burma	AX	....	Tfc/Dhaka
8050.0	425/50R	RGH76	Arkhangelsk, USSR	FX	20.0	Meteo
8050.1	425/...e	....	unknown	FX	....
8050.3	500/50N	"LIW6"	unknown	FX	....	QRA DE LIW6 ZHC
8052.0	LSB	AFB	Washington (Andrews AFB, MD), DC	FX	10.0	USAF
8054.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
8054.0	475/50R	"HW9"	unknown	FX	....
8054.0	475/50N	....	seems to say HWB0 or TWB0 or HW9 or 444	1120-25		
8054.0	425/50R	....	says JANQF HW94 or HW944 or HW544	RYRY--then 50N at 1132		
			also HW544 says KXJVQ HJ JANQF HW 544			
8055.0	425/50N	LZA2	Sofia, Bulgaria	FX	5.0	BTA Nx EE 1830-1930 [Non-directional]
8055.0	Al*	....	Beijing, PRC	FX	....	XNA Nx CC 1800-2400
8055.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
8055.0	425/50R	↑IRF60	Rome (Torrenova), Italy	FX	5.0	
8055.0	USB	ZKY	Palmerston North, New Zealand	FX	5.0	Telcom/Nandi
8055.6	400/45N	BPJ5	Beijing, PRC	FX	15.0	RYRY/Hanoi
8056.6	425/50N	....	unknown	FX	....	Coded Tfc
				msg ID HA827/HA828/HA829, etc.		
8057.5	FAX	LM08	Oslo, Norway	FX	0.5	Meteo
8058.0	USB	RAW71	Moscow, USSR	FX	20.0	Telcom
8060.0	F7B	RAW71	Moscow, USSR	FX	20.0	TASS Nx AA 1500-2200 FF 1500-2200
						[Beamed to the Middle East]
8060.0		....	Bakhtar	....	
8060.0	500/...e	....	unknown	FX	....	//8070
8060.0	LSB	....	American said PLEASE REPEAT THAT 1128			
8061.0	RTTY	TUH	Abidjan, Ivory Coast	....	....	ASECNA
8061.0	425/50R	BCL33	Shanghai, PRC	FX	15.0	Tfc/Colombo
8061.6	850/50R	....	unknown	FX	....	Foxes
8062.0	850/50N	MTO	Rosyth Naval, England	FX	5.0	British Navy
8062.5	425/50R	RXA74	Alma Ata, USSR	FX	5.0	Meteo
8062.0	425/50N	....	Rome, Italy	FX	....	ANSA Nx EE no sked avail
8062.5	F7B	RSN9	Polotsk, USSR	FX	60.0	
8063.5	B9W	HBX58	Geneva, Switzerland	FX	10.0	Telcom/Tfc
8063.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6 or 9223.6)
8065.0	850/...e	NRV	COMMSTA Barrigada, Guam	FX	5.0	USCG
8065.0	425/50R	RGJ63	Kuibyshev, USSR	FX	5.0	
8065.6	USB	....	unknown	FX	....	Telcom
8066.9	425/50N	Y2V7	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN Nx EE/FF (Daily--not Saturday) 2100-2250 (Saturdays) 2100-2130
						[Beamed to Southeast Asia]
8067.0	USB	KWY43	Kodiak, AK	FX	0.2	Net Control
8067.8	425/75Nc	....	unknown	FX	....
8067.9	425/50N	Y2V7A	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN Nx EE 2100-2250 (Not on Sundays)
						[Beamed to Far East & Southeast Asia]
8069.0	425/50R	BZT38	Wulumuqi, PRC	FX	10.5	XNA
						[Beamed to Europe]
8070.0	CW	FDY	Orleans Air, France	FX	....	French AF
8070.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
8070.0	550/...e	....	unknown	FX	....	//8060
8070.2	525/50R	"LIW6"	unknown	FX	....	QRA DE LIW6 ZHU?
8071.7	550/50R	AWD2	Delhi Aeradio, India	AX	....
8072.0	425/75N	....	probably Belgrade, Yugoslavia	FX	....	MFA
8072.5	CW	EEQ	Madrid, Spain	FX	1.0	Police
8075.0	575/50R	LWB	Buenos Aires (Moron), Argentina	AX	1.0	
8075.0	CW	....	numerous, on Caribbean Islands	FX	....	Emergency Net (Includes stations in Barbadoes, Grenada, Montserrat, St. Kitts, St. Vincent, etc.)
8075.0	B9W	FTI9	Paris (St. Assise), France	FX	20.0	Telcom/Dakar
8076.6	425/50R	ROM5	Tashkent, Uzbek SSR	FX	....	Meteo
8078.0	FAX	SMA8	Stockholm (Norrkoping), Sweden	FX	2.5	Meteo (cont.)
8078.0	USB	....	unknown	FX	....	NUMBERS/EE/YL
8079.0	F7B	RIU5	Leningrad, USSR	FX	50.0	
8080.0	850/50N	ATG58	Madras, India	FX	5.0	Tfc/Singapore

kHz	Mode	Call	Location	Service	kW	Remarks
8080.0	425/50R	EPA82	Teheran, Iran	FX	5.0	IRNA Nx AA 1730-1900 [Beamed to North Africa]
8080.0		EPA82	unknown			
8080.0	B8E	ZLL34	Wellington, New Zealand	FX	1.0	Telcom
8080.0	425/50R	RNJ	Magadan, USSR	FX	5.0	Meteo
8080.0	FAX	NAM	COMMSTA Portsmouth, VA	FX	2.5	USCG/Meteo (Thursdays and Sundays at 0135)
8080.0	B8E	....	several, Java & S. China Seas	FX	....	Oil Rigs
8080.0	850/....	....	numerous, worldwide	FX	....	USN
8081.0	*425/50N	SO12Ø8	Warsaw, Poland	FX	10.0	
8083.0	425/50N	ROM5	Tashkent, Uzbek, SSR	FX	....	Meteo
8083.5	USB	↑....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4, San Salvador [Watling Is.], Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, San Juan, PR--daytime, only) [Alt: 7530.0 & 12,150.0]
8085.4	170/50R	RVL21	Khabarovsk, USSR	FX	20.0	[RUTK] Meteo
8085.5	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
8086.0	850/50R	....	Beijing, PRC	FX	2.0	XNA Feeder
8088.0	FAX	JKE3	Tokyo, Japan	FX	5.0	
8090.0	*850/75Ne	NGD	McMurdo Station, Antarctica	FX	3.0	NSF/USN
8090.0	425/75R	CLN216	Havana (Bauta), Cuba	FX	100.0	Tfc/EUR
8090.0	CW	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
8090.0	850/50N	ATH58	New Delhi (Poona), India	FX	10.0	
8090.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	1.0	(LCMP-2) USN/NUKO (NOAA reports wx broadcasts at 0030, 0630, 1230 & 1900) Also Seasonal ice warnings broadcast at 1000 & 2300
8090.0	CW	NMN	COMMSTA Portsmouth, VA	FX	....	USCG/USN
8090.0	850/....	....	numerous, worldwide	FX	....	USN
8090.4	CW	YCN2	Pontianak, Indonesia	FX	5.0	
8092.0	USB	↑AJØ	Adana, Turkey	FX	0.5	USAF
8093.0	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	....	USN
8094.0	CW	....	unknown	....	....	Numbers only
8095.0	425/....	....	unknown	FX	....
8097.4	850/50N	HVD	Vatican City, Vatican	FX	10.0	Tfc/Berne
8097.5	*170/50N	↑OEQ43	Vienna, Austria	FX	1.0	INTERPOL
8097.5	*170/50N	↑ONA2Ø	Brussels, Belgium	FX	3.0	"
8097.5	170/50N	↑ØGX	Helsinki, Finland	FX	1.0	"
8097.5	*170/50N	↑DEB	Wiesbaden, GFR	FX	5.0	"
8097.5	425/50N	CSJ24	Lisbon, Portugal	FX	1.0	"
8098.0	170/ARQ	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....
8098.5	USB	↑YAK	Kabul, Afghanistan	FX	5.0	Telcom
8098.5	USB	C6L22	Nassau, Bahamas	FX	0.2	Net Control
8099.0	LSB	....	Maracaribo clg Caracas	....	....	SS
8099.8	525/75Rc	....	unknown	FX	....
8100.0	FAX	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
8100.0	USB	3BP22	Port Louis, Mauritius	FX	0.1	Tfc/Rodrigues
8100.0	USB	3BP32	Port Matherin, Rodriguez	FX	0.1	Tfc/Mauritius
8100.0	425/50R	XVB31	Hanoi, Vietnam	FX	5.0	Tfc/Pyongyang
8100.0	USB	....	numerous, Brazil nationwide	FX	....	Net
8100.0	850/75R	....	unknown	....	....	says VERY QUICK FOXES
8101.0	USB	....	several, throughout Pacific Area	FX	....	USAF (Usually AIE, Andersen AFB, Guam; AIF8Ø, Yokota AB, Japan; AID, Misawa AB, Japan & AFH39, March AFB, CA. Is referred to as "ALFA PAPA" frequency, now part of "GIANT TALK") SHEET MAN, STAR DAY, BARMAN, EMPHASIZE, SANDMAN, etc. "STROBE" clg "FEASIBLE" SIGNAL CHECK OVER
8101.0	USB	....	COMEDIAN SIGNAL CHECK ON ALFA PAPA			
8102.0	CW	....	unknown	FX	....	Coded Tfc
8102.0	850/50N	IER..	unknown, Italy	FX	....	IFG
8103.7	1000/50R	....	unknown	FX	....	Coded Tfc signs CFN9 JS863 & SD/BSPT into EE "Ask Line" "Yankee Signal" "Line 5"
8104.0	425/50R	YOI21	Bucharest, Rumania	FX	5.0	Tfc/Prague
8105.0	425/50R	BYB27	Lanzhou, PRC	FX	2.0	Meteo
8105.0	F7B	CLN217	Havana (Bauta), Cuba	FX	50.0	Tfc/Moscow
8105.0	375/50N	FYI3	Paris (Vernon), France	FX	5.0	
8105.0	850/50N	9VF42	Singapore, Singapore	FX	3.0	ANSA Nx EE 1700-1900 (No newscasts on Sundays) [Non-directional]
8105.0	850/75N	WBR7Ø	Miami Aeradio, FL	AX	8.0	Aero/Meteo
8105.5	850/50N	ONN37	Brussels, Belgium	FX	1.0	Irish EMBASSY
8107.0	USB	↑VPC	Port Stanley, Falkland Islands	FX	7.5	Telcom HX

kHz	Mode	Call	Location	Service	kW	Remarks
8107.0	170/ARQ	JXA	Oslo, Norway	FX	....	Norwegian Army
8110.0	CW	....	unknown, probably in Far East	FX	....	Coded Tfc
8110.0	850/50R	RBNF	Moscow Aeradio, USSR	FX	....
8110.0	425/...e	....	unknown	FX	....
8111.0	425/50R	BAY52	Beijing, PRC	FX	15.0	Tfc/Moscow
8111.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: AOB50, Estartit, Spain; NCI, Sella Marina, Italy; NCI3 Lampedusa, Italy; NCI4, Kargabun, Turkey & NCI10, Rhodes)
8112.0	170/50R	XZW	Mingaladon Aeradio, Burma	AX	10.0	
8113.0	850/75Rc	....	unknown	FX	....
8113.8	475/50R	....	unknown	FX	....	Coded Tfc
8115.0	CW	70C	Hiswa, South Yemen	AX	....	clg ETD3
8115.9	750/...e	....	unknown	FX	....
8116.6	USB	....	unknown	FX	....	TARA TARA TARA
8117.0	CW	BMB	Taipei, Taiwan	FX	....	Meteo (NOAA re- ports wx broadcasts at 1600 & 2200)
8117.0	CW	"DJR"	Djibouti	AX	....	clg ETD3
8117.6	850/...e	....	unknown	FX	....
8118.0	425/50N	†9JZ6	Lusaka Aeradio, Zambia	AX	0.8	Tfc/Blantyre
8118.0	CW	....	unknown	FX	....	BWIS WTRS
8119.8	FAX	BAF36	Beijing, PRC	FX	7.0	Meteo
8120.0	425/50R	CLN218	Havana (Bauta), Cuba	FX	10.0	Tfc/Algiers
8120.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
8120.0	*170/100R	SRZ922	Warsaw, Poland	FX	1.0	Yugoslav EMBASSY
8120.0	USB	....	unknown	FX	....	NUMBERS/EE/YL NUMBERS/GG/YL
8122.0	425/50N	JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army/NATO
8123.0	425/50R	TNL48	Brazzaville Aeradio, Congo	AX	5.0	
8123.0	550/...e	....	unknown	FX	....	Idling
8123.5	850/50Rc	....	unknown	FX	....
8124.0	A1*	BHI26	Shanghai, PRC	FX	3.0	XNA
8125.0	LSB	†RD279	Moscow, USSR	FX	15.0	R. Moscow Feeder
8125.0	425/50R	RDZ79	" "	FX	15.0	TASS
8125.0	USB	....	several, USA nationwide	[Beamed to Europe] FX	....	FAA (Recently reported have included: KDM47, Fort Worth, TX; KDM50, At- lanta, GA; KEM80, Washington, DC; KDM49; Dragnet; etc.) [Alt: 6870.0 & 7475.0]
8126.0	425/50R	JYA37	Amman, Jordan	FX	3.0	Tfc/Cairo
8126.0	CW	MLU	Gibraltar	....	....	RAF
8127.0	USB	"TMS2"	unknown, call repeated by YL	....	....
8130.0	USB	ZLC24	Waitangi, Chatham Island	FX	1.0	Telcom/Wellington
8130.0	850/75N	WBR70	Miami Aeradio, FL	AX	15.0	METAR/Meteo
8130.0	850/75N	WSY70	New Radio Aeradio, NY	AX	10.0	METAR/Meteo
8130.5	425/50N	†DFH23/L2	Cologne (Bonames), GFR	FX	20.0	DW Control to Malta
8131.0	425/75N	....	unknown, sev groups letters	FX	....
8131.1	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
8131.6	RTTY	....	Tarakam, Indonesia	FX	....	PERTIMINA
8132.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
8132.0	CW	LMT	Tromso Naval, Norway	FX	0.3	Norwegian Navy
8133.0	CW	SOI213	Warsaw, Poland	FX	20.0	PAP Nx Polish 1400-1500 & 1800-1900 [To Fishing Fleet]
8133.0	170/FEC	SOI213	Warsaw, Poland	FX	20.0	PAP Nx Polish 1200-1300 [To Fishing Fleet]
8133.0	425/50N	SOI213	Warsaw, Poland	FX	20.0	PAP Nx EE 1100-1130 (Not on Sundays) [Beamed to the Middle East] (Daily) 1700-1730
8133.0		SOI213	unknown			
8134.9	550/75R	HVQ20	Hanoi, Vietnam	FX	....	VNA Nx VV 0100-1600
8134.9	varying freq		[Directed to "GPX", Ho Chi Minh City, Vietnam; "HMB", Phnom Penh, Kampuchea or "KPX", Danang, Vietnam] (Transmissions appear to be parallel to 9124.2)			
8135.0	B9W	CZW	"Halifax Military", NS, Canada	FX	1.0	C. Forces
8135.0	850/50N	JAE72	Tokyo, Japan	FX	20.0	
8136.5	CW	"U"	unknown	RC	....	Beacon
8137.0	425/50R	BAE51	Beijing, PRC	FX	15.0	XNA Feeder
8137.5	RTTY	7QZ32	Lilongwe, Malawi	FX	....	AERO
8137.7	850/...e	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
8138.0	FAX	....	unknown	FX	....
8140.0	425/75R	CLN219	Havana (Bauta), Cuba	FX	100.0	PL Nx EE 0800-0955 [Beamed to the Far East]
8140.0	850/50N	9VF44	Singapore Aeradio	AX	3.0	
8140.0	425/50R	RNN51	Moscow, USSR	FX	20.0	TASS Nx PP 0600-0800 Bakhtar Nx EE 0415-0545 [Beamed to Europe] TASS Nx EE 1400-2200 [Beamed to the Middle East]
8140.0	850/75N	WBR70	Miami Aeradio, FL	AX	15.0	[WBC] METAR/Meteo
8140.0	F1B	RNN51	unknown	....	TASS Nx EE 1415-2200	
8141.0	....	†XVZ	Hanoi Air	FA	....
8142.5	425/50N	OLX4	Prague, Czechoslovakia	FX	20.0	CTK Nx FF 1930-2030 (On Sundays: 1930-2030) [Beamed to Africa]
8143.0	850/50R	BAP48	Beijing, PRC	FX	10.0	XNA [Beamed to Japan]
8143.0	425/50R	XVF3	Ho Chi Minh City, Vietnam	FX	....	Tfc/Paris
8144.0	FAX	FZL82	Noumea, New Caledonia	FX	10.0	Meteo
8144.0	CW	"K"	unknown	RC	....	Beacon
8145.0	850/50N	EIP	Shannon Aeradio, Ireland	AX	3.0	[SMA] Tfc/Azores
8146.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
8146.0	FAX	....	unknown	....	....
8147.0	CW	"K4X"	Tunis, Tunisia	FX	....	French EMBASSY
8148.0	CW	OVG8	Frederikshaven Naval, Denmark	FX	5.0	Danish Marine
8148.0	CW	OVC	Groennedal Naval, Greenland	FX	5.0	Danish Marine
8149.0	USB	P28BM	Port Moresby, Papua New Guinea	FX	1.0	Net Control
8150.0	USB	VJC	Broken Hill, NSW, Australia	FX	....	School of the Air
8150.0	CW	NRV	COMMSTA Barrigada, Guam	FX	....	USCG/Reported wx broadcast at 1300
8150.0	425/50Rc	SOL215	Warsaw, Poland	FX	20.0	PAP Nx RR 0030-0100 1500-1530 [Beamed to eastern Europe]
8150.0	425/50R	SOI215	Warsaw, Poland	FX	20.0	PAP Nx EE 1600-1630 [Directed to India]
8150.0	500/50N	SOI215	text in Polish signs GALINA from Moskwa			
8150.0	USB	....	several, Cuba nationwide	FX	....	Net
8151.0	FAX	IMB54	Rome, Italy	AX	1.0	Italian AF/ Meteo (cont.)
8151.2	70/45N	....	unknown	....	RYRY	
8151.8	600/50N	HME48	Pyongyang (Bosong), North Korea	FX	Y44	KCNA Nx FF 1145-1445 (Not on Sundays) [Beamed to Japan]
8152.0	425/50R	XVA87	Hanoi, Vietnam	FX	5.0	Tfc/Calcutta
8153.5	CW	....	unknown	....	wx broadcast 1100-1145	
8155.0	425/75R	CLN220	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
8155.0	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
8156.0	USB	C6Q90	Nassau, Bahamas	FX	0.1	Net Control
8157.0	425/50R	FDI	Aix les Milles Air, France	FX	....	French AF
8158.5	CW	†"EC3Y"	unknown	FX	....
8159.1	250/...e	....	unknown	FX	....
8160.0	*425/50R	ONN39	Brussels, Belgium	FX	1.0	Hungarian EMBASSY
8160.0	425/50R	CLN221	Havana (Bauta), Cuba	FX	20.0	Tfc/Algiers
8160.0	F1B	RIFMPCF	Augusta, Italy	FX	....	Italian Navy
8160.0	*425/50R	HGX31	Warsaw, Poland	FX	1.0	Hungarian EMBASSY
8160.0	USB	....	TANGO 4 YANKEE & UNIFORM 5 DELTA	FX	....
8161.0	170/50N	AWC	Calcutta Aeradio, India	AX	3.0	RYRY
8163.0	425/50N	HXX21	Paris (St. Assise), France	FX	15.0	Meteo (cont.)
8165.0	USB	VNZ	Port Augusta, SA, Australia	FX	0.3	RFDS
8165.0	USB	....	unknown, probably Central America	FX	....	Net/EE/SS
8165.1	425/50R	5YD7	Nairobi Aeradio, Kenya	AX	3.0	[KSA] Aero/Meteo
8167.0	B9W	MSS	Belize City, Belize	FX	6.0	DCN
8167.5	CW	LQB9	Buenos Aires (San Martin), Argentina	FX	5.0	TIME SIGNALS
8167.5	170/...e	....	unknown	FX	....
8170.0	425/50R	BJZ22	Hangzhou, PRC	FX	....	Meteo
8171.0	USB	VNZ	Port Augusta, NT, Australia	FX	....	School of the Air
8171.0	CW	....	unknown	FX	....	Coded Tfc
8172.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY [Alt: 7445.0 & 10,780.0]
8173.0	850/...e	....	unknown	FX	....
8175.0	USB	5TQ7	Zouerate, Mauritania	FX	0.1	Mining
8175.0	425/50N	ULV	Moscow, USSR	FX	....	[RUMF]

kHz	Mode	Call	Location	Service	kW	Remarks
8175.0	LSB	....	unknown	FX	....	Telcom/FF
8175.0	FAX	....	unknown	FX	....	strong
8175.3	850/50N	JAE58	Tokyo, Japan	FX	10.0	KYODO Nx EE
0000-0100; 0240-0400 & 1220-1250						
[Beamed to Southeast Asia]						
8176.0	350/50N	FZR81	St. Denis (Bel Air), Reunion	FX	2.0	[HXP] Meteo
(Wx broadcasts at 0025, 0325, 0625, 0925, 1225 & 1825)						
8176.5	USB	ONN27	Brussels, Belgium	FX	1.0	EMBASSY
8177.0	CW	....	unknown, probably in Far East	FX	....	Coded Tfc
8177.5	425/50R	BAC38	Beijing, PRC	FX	15.0	Tfc/EUR
8180.0	425/50R	YTB	Belgrade, Yugoslavia	FX	5.0	Tfc/Moscow
8181.6	USB	....	several, in Mauritania	FX	....	Mining
8182.0	CW	....	unknown, probably in Cuba	FX	....	Coded Tfc
8185.0	425/50R	A2D500	Gaborone, Botswana	FX	0.5	PRC EMBASSY
8185.0	850/50N	BBT29	Shanghai, PRC	FX	5.0	Tfc/Bangkok
8185.0	FAX/ISB	FPI88	Paris, France	FX	10.0	Meteo
8185.0	425/50R	SOI218	Warsaw, Poland	FX	20.0	PAP Nx EE 1600-1630
[Primarily for India]						
8188.0	USB	....	numerous	FX	....	Net/SS
8188.5	USB	↑NAW	NAVCOMMSTA Guantanamo, Cuba	FX	2.0	Telcom
8190.0	F1B	HMR57	Pyongyang (Jungsan), North Korea	FX	20.0	KCNA
[Beamed to Japan]						
8190.0	425/50Rc	JVU27	Ulan Bator, Mongolia	FX	10.0	MONTSAME Nx RR
1430-1630 (Not on Sunday)						
8190.0	*850/...e	....	numerous, worldwide	FX	....	USN
8190.0	USB	....	Americans abt camera paper 2 stations no ID's			
8190.0	USB	....	BRAVO THIS IS ALFA WHISKEY -- ALFA WHISKEY back			
8190.3	425/50R	BLM22	Chengdu, PRC	FX	....	Meteo
8191.0	425/75R	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....
8192.5	*425/50R	SOI219	Warsaw, Poland	FX	20.0	PAP Nx EE 1630-1700
[Beamed to Africa]						
8194.0	850/50N	ORO28	Brussels, Belgium	FX	20.0	Tfc/Shanghai
8194.0	425/50R	BAS22	Beijing, PRC	FX	10.0	Tfc/New Delhi
8194.0	425/50R	FDY	Orleans Air, France	FX	....	French AF
8194.0	CW	XVS37	Ho Chi Minh City, Vietnam	FX	5.0	NOAA reports
wx broadcast at 1620						
8194.5	850/...e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
8195.0	CW	TBA3	Izmir Naval, Turkey	FX	....	Turkist Navy/NATO

8195.0 - 8815.0 kHz — MARITIME MOBILE (Worldwide)

8195.0	USB	The band between these frequencies is divided into 31 channels spaced 3.1 kHz apart and assigned numbers from 801 to 831. These are ship transmitting channels and are duplexed with Coastal USB stations operating between 8718.9 and 8811.9 kHz.				
8201.0	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
8213.6	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
8257.0	USB	INTERNATIONAL SHIP STATION CALLING FREQUENCY				
8260.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	Reversed Tape/RR
(0300-0355 & 0900-0955)						
8291.1	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam
8291.1	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KMB, Houston, TX; KRM, Port Arthur, TX; WJK, Jacksonville, FL; GWG, San Juan, PR; KBQ, Miami, FL; KCQ, Galveston, TX; etc.; plus numerous oil rigs
8294.2	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	...	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam
8294.2	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-

kHz	Mode	Call	Location	Service	kW	Remarks
			coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KAH, Seattle, WA; KEJ, New Orleans, LA; KPA, Long Beach, CA; WFE, Houston, TX; WLN, San Juan, PR; WJK, Miami, FL; KZU, Harvey, LA; etc.; plus oil rigs			
8298.0	170/50Nc	UKA	Vladivostok Radio, USSR	FC	....
8300.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service
8317.0	850/75N	0BC	Lima Naval, Peru	FC	....	Navy
8334.0	475/75R	BXT16	unknown	FX	....	PRC EMBASSY
8344.0	170/ARQ		The band between 8344.0 and 8357.0 kHz is divided into 278344.0b channels spaced 500 Hz apart. These are paired with SITOR 8344.0c Coastal stations operating between 8705.0 and 8718.0 kHz.			
8357.2	170/50R	C7C	Ocean Station Vessel "Charlie"	MS	....	c1g GKL
8400.0	AM	....	RADIO BEIJING, PRC	BC	....	Russian Service
8408.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
8418.0	AM	....	unknown but strong	FX	....	NUMBERS/SS/YL/4
8424.0	475/50R	HVQ11	Hanoi, Vietnam	FX	....	VNA Nx VV 0100-0400
			& 0700-1000 [Directed to "KPO", Vientiane, Laos & "KPV",			
8425.0	AM	....	RADIO BEIJING, PRC	BC	....	External Service
8435.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	1.5	VVV's
8436.0	CW	UCO	Yalta Radio, Ukrainian SSR	FC	5.0	Black Sea (HX)
8436.0	CW	UFH	Petropavlosk Radio, USSR	FC	5.0	
8436.5	CW	ZSD50	Durban Radio, RSA	FC	3.5	
8437.0	CW	OFJ8	Helsinki Radio, Finland	FC	10.0	
8437.0	CW	PKN	Balikpapan Radio, Indonesia	FC	0.3	
8437.0	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
8437.1	CW	PKC	Palembang Radio, Indonesia	FC	1.0	
8437.1	CW	4XZ	Haifa Naval Radio, Israel	FC	2.0	Israel Navy
8438.0	CW	UNQ	Novorossiysk Radio, USSR	FC	10.0	
8438.1	CW	7TA6	Algiers Radio, Algeria	FC	10.0	
8439.0	*850/75N	PBC38	Goeree Island Naval, Netherlands	FC	6.0	Dutch Navy
8439.5	CW	C6N	Nassau Radio, Bahamas	FC	0.5	
8440.0	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
8440.0	CW	YIR	Basrah Control, Iraq	FC	3.0	
8440.6	CW	UAT	Moscow Radio, USSR	FC	10.0	
8441.0	CW	XYR7	Rangoon Radio, Burma	FC	1.0	
8441.0	CW	C5G	Banjul Radio, The Gambia	FC	1.0	
8441.0	CW	AME3	Madrid Naval, Spain	FC	....	UMA7 Spanish Navy
8441.0	CW	9YL	North Post Radio, Trinidad	FC	2.0	
8441.2	CW	70A	Aden Radio, PDR Yemen (South)	FC	2.0	
8441.4	CW	5ZF2	Mombasa Radio, Kenya	FC	1.5	
8441.4	CW	9HD	Malta Radio, Malta	FC	5.0	0830-0900, 1200-1230 & 1530-1600
8442.0	CW	TCR	Turkist Seaway Lines	FC	....	TFL 1900
8443.0	CW	VFF	Frobisher CG Radio, NWT, Canada	FC	1.0	AMVER
8443.0	*850/50R	Y5M	Ruegen Radio, GDR	FC	5.0	ADN Nx GG 1100
8444.5	CW	KFS	San Francisco Radio, CA	FC	20.0	(NOAA reports wx broadcasts at 0420, 1620, 2200 & 2230)
8445.0	CW	PKK	Kupang Radio, Indonesia	FC	1.0	
8445.0	CW	PKO	Tarakan Radio, Indonesia	FC	0.3	HX
8445.0	CW	PKR3	Cilacap Radio, Indonesia	FC	1.0	HX
8445.0	CW	PKT	Dili Radio, Indonesia	FC	1.0	HX
8445.0	CW	UQK	Riga Radio, Latvian SSR	FC	5.0	
8445.0	CW	A4M	Muscat Radio, Oman	FC	1.0	
8445.0	CW	S7Q	Seychelles Radio, Seychelles	FC	1.0	
8445.0	CW	XSX	Keelung Radio, Taiwan	FC	1.0	(NOAA reports wx broadcasts at 0430, 1030, 1630 & 2230)
8445.0	CW	YUR4	Rijeka Radio, Yugoslavia	FC	6.0	
8445.0	CW	9PA5	Banana Radio, Zaire	FC	1.0	
8445.5	CW	WLO	Mobile Radio, AL	FC	20.0	
8446.0	CW	UFM3	Nevelski Radio, USSR	FC	5.0	
8447.0	CW	....	numerous, waters around Argentina	FS	1.0	Argentinian Navy
			Includes: LSC4, Ushuaia Radio; LSG4, Rio Gallegos Radio; LSM44, Comodoro Rivadavia Radio; LSN37, Mar del Plata Radio & LS05, Buenos Aires Radio)			
8447.0	CW	33AME	Madrid Radionaval, Spain	FC	2.0	37UMA Spanish Navy
8448.0	CW	A9M	Bahrain (Manama) Radio, Bahrain	FC	2.0	
8449.0	CW	TJC7	Douala Radio, Cameroon	FC	0.8	HX
8449.0	CW	ZKR	Rarotonga Radio, Cook Islands	FC	1.0	
8449.0	CW	8RB	Demerara Radio, Guyana	FC	1.0	

kHz	Mode	Call	Location	Service	kW	Remarks
8449.0	CW	ZSC22	Cape Town Radio, RSA	FC	10.0	
8449.3	CW	8PO	Barbados Radio, Barbados	FC	1.5	
8449.4	CW	VRT	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	
8450.0	CW	6YX	Kingston Radio, Jamaica	FC	....	JCG
8451.0	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
8451.0	CW	XSG4	Shanghai Radio, PRC	FC	5.0	
8451.0	*170/50Rc	UBF2	Leningrad Radio, USSR	FC	10.0	
8451.5	CW	†CTP	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO
8452.0	CW	VIS35	Sydney Radio, NSW, Australia	FC	2.5	
8453.0	CW	VAI	Vancouver CG Radio, BC, Canada	FC	1.0	AMVER(NOAA re- ports wx broadcasts at 0130, 0530 & 1730)
8453.0	CW	TNA8	Pointe-Noire Radio, Congo	FC	2.0	
8453.0	CW	HWN	Paris (Houilles) Naval, France	FC	2.0	French Navy
8453.0	*170/FEC	WLO	Mobile Radio, AL	FC	10.0	
8453.0	CW	YYM	Puerto Ordaz Radio, Venezuela	FC	....
8454.0	CW	AGM	Bahrain (Manama) Radio, Bahrain	FC	2.0	
8454.0	CW	A7S	Qatar Radio, Qatar	FC	....
8454.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	5.0	
8454.5	CW	SVG4	Athens Radio, Greece	FC	5.0	
8455.0	170/75N	NMA	COMMSTA Miami, FL	FC	5.0	USCG
8455.4	USB	....	numerous--possibly temporary	FC/MS	...	USN/USCG Net
8456.0	CW	ROT	Moscow Naval, USSR	FC	10.0	Russian Navy
8456.0	CW	....	unknown--probably Cuban			
8456.9	CW	LSA4	Boca Radio, Buenos Aires, Argentina	FC	1.0	wx 0130-1730
8457.0	FAX	NOJ	COMMSTA Kodiak, AK	FC	5.0	USCG/Meteo
			[Pics at various times: analysis, prognosis, outlook, surface tem, ice & fisheries aids, etc.]			
8457.0	CW	EDG3	Aranjuez Radio, Spain	FC	10.0	
8457.0	CW	XSP	Shantou Radio, PRC	FC	1.0	HX
8457.0	CW	OFJ82	Helsinki Radio, Finland	FC	10.0	
8457.0	CW	PKG	Banjarmasin Radio, Indonesia	FC	0.3	Reported
			NAVEAREA broadcasts at 0130 & 0430			
8457.0	CW	PKP	Dumai Radio, Indonesia	FC	1.0	0100-0200/1300-1400
8457.0	CW	PKY5	Merauke Radio, Indonesia	FC	0.3	0100-0130/0930-0900
8457.0	170/75R	NMA	COMMSTA Miami, FL	FC	5.0	USCG (wx 1345)
8458.0	CW	YIR	Basrah Control, Iraq	FC	1.0	Reported wx broadcast at 1330
8458.0	850/75R	33AME	Madrid Radionaval, Spain	FC	....	37UMA Spanish Navy
8459.0	CW	YQI5	Constanta Radio, Rumania	FC	2.0	
8460.0	CW	OSN48	Oostende Naval, Belgium	FC	1.0	Belgium Navy
8460.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	(NOAA reports wx broadcasts at 0130, 0730 & 1900)
8460.0	CW	LZW42	Varna Radio, Bulgaria	FC	10.0	
8460.0	CW	XSM	Xiamen (Amoy) Radio, PRC	FC	1.0	
8460.0	CW	PBC	Goeree Island Naval, Netherlands	FC	6.0	Dutch Navy
8460.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
8460.4	CW	PPL	Belem Radio, Brazil	FC	1.0	
8460.5	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	
8460.8	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
8461.0	CW	CUG	Sao Miguel Radio, Azores	FC	2.5	
8461.0	CW	CBA3	Antofagasto Radiomaritima, Chile	FC	0.5	HX
8461.0	CW	PKR	Semarang Radio, Indonesia	FC	0.3	HX
8461.0	CW	PKY4	Sorong Radio, Indonesia	FC	0.3	HX
8461.0	CW	ZSC4	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/ (NOAA reports wx broadcasts at 0930 & 1730)
8461.0	CW	FJA8	Mahina Radio, Tahiti	FC	1.0	
8461.1	CW	CUB	Funchal Radio, Madeira Islands	FC	3.5	
8461.5	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
8463.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	10.0	C. Forces/NAWS
8463.0	CW	YSM	Ruegen Radio, GDR	FC	10.0	
8463.0	CW	JOU	Nagasaki Radio, Japan	FC	10.0	
8465.0	CW	5BA	Nicosia Radio, Cyprus	FC	10.0	
8465.0	CW	TUA4	Abidjan Radio, Ivory Coast	FC	4.0	
8465.0	CW	5RS8	Tamatave Radio, Madagascar	FC	2.0	wx 0510 & 0810
8465.0	CW	NNM	COMMSTA Portsmouth, VA	FC	3.0	USCG/AMVER
8465.2	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
8466.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	5.0	
8467.4	CW	D4A6	Sao Vicente Radio, Cape Verde	FC	0.5	
8467.5	FAX	JJC	Tokyo Radio, Japan	FC	10.0	Meteo
8468.8	CW	GKR8	Wick Radio, Scotland	FC	0.3	

kHz	Mode	Call	Location	Service	kW	Remarks
8469.0	CW	D4D	Praia de Cabo Radio, Cape Verde	FC	1.0	
8469.0	CW	EQA	Abadan Radio, Iran	FC	....
8469.0	CW	EQK	Khoramshahr Radio, Iran	FC	1.0	
8469.0	CW	XXG	Macao Radio, Macao	FC	0.3	
8469.0	CW	CUB	Funchal Radio, Madiera Islands	FC	3.5	
8469.0	CW	CUL8	Lisbon Radio, Portugal	FC	10.0	
8469.0	CW	FFD28	St. Denis Radio, Reunion	FC	2.0	
8470.0	CW	EPC	Bandar Abbas Naval, Iran	FC	10.0	Iranian Navy
8470.0	CW	XFL	Mazatlan Radio, Mexico	FC	0.5	
8470.0	CW	UXN	Arkhangelsk Radio, USSR	FC	....
8470.0	CW	XVG9	Haiphong Radio, Vietnam	FC	1.0	
8470.2	CW	ZRH	Cape (Fisantekraal) Naval, RSA	FC	....	RSA Navy
8470.8	CW	NMR	COMMSTA San Juan, PR	FC	3.0	USCG/AMVER
8471.0	CW	EQZ	Abadan Radio, Iran	FC	0.5	10RC
8471.3	CW	RMP	Rostov Radio, USSR	FC	....
8471.4	CW	SUP	Port Said Radio, Egypt	FC	2.0	
8471.8	CW	ZRQ4	Cape (Simonstown) Naval, RSA	FC	10.0	RSA Navy/ Wx broadcasts at 1030 & 1830
8472.5	*850/75R	3SB	Datong Naval, PRC	FC	10.0	PRC Navy
8473.0	CW	PKS	Pontianak Radio, Indonesia	FC	0.3	HX
8473.0	CW	PKA	Sabang Radio, Indonesia	FC	....
8473.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
8473.0	CW	A7S	Qatar Radio, Qatar	FC	....
8473.0	CW	HLG	Seoul Radio, South Korea	FC	10.0	
8473.0	CW	EDF3	Aranjuez Radio, Spain	FC	10.0	
8473.3	CW	PKE	Amboina Radio, Indonesia	FC	1.0	
8473.5	CW	WLO	Mobile Radio, AL	FC	20.0	(NOAA reports wx broadcasts at 1300 & 2300)
8474.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	
8474.0	CW	UKJ	Astrakhan Radio, USSR	FC	1.0	Caspian Sea
8474.5	CW	WLO	Mobile AL	FC	....
8475.0	USB	....	RADIO BEIJING, PRC	FX	....	Reversed Tape/RR
8475.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	10.0	(May be feeder - 0300-0355)
8475.0	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	TIME SIGNALS (NOAA reports wx broadcast at 1330)
8475.5	CW	FUX	Le Port Naval, Reunion	FC	5.0	French Navy
8476.0	CW	PPE2	Rio Radio, Brazil	FC	....
8476.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
8476.0	CW	HCG9	Guayquil Radio, Ecuador	FC	....	AMVER (wx 0000,1200, 1700)
8476.1	CW	9VG56	Singapore Radio, Singapore	FC	3.0	
8477.0	850/75N	CFH	Halifax Forces, NS, Canada	FC	10.0	C. Forces/Meteo
8477.0	CW	HWN	Paris (Houilles) Naval, France	FC	5.0	French Navy
8478.0	CW	VHP4	COMMSTA Canberra, ACT, Australia	FC	20.0	[A13B] RA Navy
8478.0	CW	VIS4	Master Station Canberra, Australia	FC	20.0	NOAA reports wx broadcasts at 1730 & 2130/Reported NAVAREA broadcasts at 0100, 0500, 0900, 1300, 1700 & 2100
8478.0	CW	OST4	Oostende Radio, Belgium	FC	10.0	
8478.0	CW	CBV2	Valparaiso Radiomaritima, Chile	FC	1.0	AMVER
8478.1	CW	TIM	Limon Radio, Costa Rica	FC	3.0	
8478.3	*850/...e	FUF	Fort de France Naval, Martinique	FC	10.0	French Navy
8479.0	CW	JCU	Choshi Radio, Japan	FC	10.0	
8480.0	CW	PWI	Recife Naval, Brazil	FC	2.0	Brazil Navy
8480.0	CW	PWN	Natal Naval, Brazil	FC	2.0	" "
8480.0	CW	PWP	Florianopolis Naval, Brazil	FC	2.0	" "
8480.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
8480.0	CW	5AL	Tobruk Radio, Libya	FC	0.5	Argoil 1730
8480.0	CW	XUK2	Kompong Som-Ville Radio, Cambodia	FC	0.3	wx at 0000/1200
8480.0	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	3.0	ARAMCO (NOAA reports wx broadcasts at 0430 & 0800)
8480.0	CW	UAT	Moscow Radio, USSR	FC	10.0	
8481.0	CW	VIS28	Sydney Radio, NSW, Australia	FC	10.0	Reported Nx broadcast at 1200
8482.0	CW	SPH41	Gdynia Radio, Poland	FC	10.0	
8483.5	CW	DAN	Norddeich Radio, GFR	FC	5.0	
8484.0	CW	XSE	Qinhuangdao Radio, PRC	FC	1.0	
8484.0	CW	HLF	Seoul Radio, South Korea	FC	10.0	
8484.5	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
8485.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
8485.0	CW	UFN	Novorossiysk Radio, USSR	FC	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
8486.0	CW	IDQ4	Rome Naval, Italy	FC	10.0	Italian Navy
			(NOAA reports wx broadcasts at 0500, 0830, 1800 & 2100)			
8486.0	CW	WOE	Lantana Radio, FL	FC	5.0	
8486.5	850/75R	FUB	Paris Naval, France	FC	....	French Navy
8487.0	CW	VID	Darwin Radio, NT, Australia	FC	1.0	
8487.0	CW	XSG26	Shanghai Radio, PRC	FC	1.0	Reported
			NAVAREA broadcast at 0200			
8489.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
8489.9	CW	CUL7	Lisbon Radio, Portugal	FC	10.0	
8490.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service
8490.0	CW	XSQ4	Guangzhou Radio, PRC	FC	7.0	
8490.0	CW	JJI	Sasebo Naval, Japan	FC	1.0	JMSDF
8490.0	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
8490.0	CW	AQP3	Karachi Naval, Pakistan	FC	3.5	Pakistan Navy/
			Reported wx broadcasts at 0130, 0530, 0930, 1330, 1730 & 2130			
8490.0	170/FEC	NMF	COMMSTA Boston, MA	FC	5.0	USCG (NOAA reports
			North Atlantic wx forecasts at 0200 & 1700)			
8492.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
8492.0	CW	JNA	Tokyo Naval, Japan	FC	5.0	JSDA/Reported
			NAVAREA broadcasts at 0005, 0405, 0805, 1205 & 0220			
8492.0	CW	9MC8	Stesyen Pantai (Penang) R., Malaysia	FC	5.0	
8492.5	CW	TBA4	Ankara Naval, Turkey	FC	....	[T13A] Turkist Navy
8493.2	CW	GYA	London (Northwood) Naval, England	FC	5.0	British Navy
8494.0	850/75Ne	NPN	NAVCOMMSTA Agana, Guam	FC	....	[GCMP] USN
8494.8	FAX	GZZ40	London (Northwood) Naval, England	FC	5.0	British N./Meteo
8495.0	CW	ARH	Gwadar Naval, Pakistan	FC	6.0	Pakistan Navy
8495.5	CW	UF6	Odessa Radio, Ukrainian SSR	FC	10.0	[4KA]
8496.0	CW	CLA20	Havana (Cojimar) Radio, Cuba	FC	5.0	
8496.0	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
8496.0	CW	....	several, USA nationwide	FX/MS	...	USACE
8496.5	*170/ARQ	GKS4	Portishead Radio, England	FC	10.0	
8497.0	CW	HLJ	Seoul Radio, South Korea	FC	7.0	
8498.0	CW	SAG4	Goteborg Radio, Sweden	FC	5.0	AMVER
8500.0	*170/75Rc	ROT	Moscow Naval, USSR	FC	10.0	USSR Navy
8500.1	850/50N	VTH	Bombay Naval, India	FC	....	[RBSL] Indian Navy
8500.1	FAX	NIK	COMMSTA Boston, MA	FC	10.0	USCG/Transmits
			ice pics seasonally at 1600			
8502.0	CW	PPL	Belem Radio, Brazil	FC	1.0	(NOAA reports
			wx broadcasts at 0130, 0800 & 1930)			
8502.0	CW	XSG3	Shanghai Radio, PRC	FC	20.0	TIME SIGNALS
			(NOAA reports wx broadcasts at 0306 & 0906)			
8502.0	CW	YJMB	Port-Vila Radio, Vanuatu	FC	0.5	
8502.0	CW	ZSC37	Cape Town Radio, RSA	FC	10.0	
8502.0	170/75N	NIK	COMMSTA Boston, MA	FC	10.0	USCG (NOAA reports
			ice information seasonally at 0018 & 1218)			
8502.0	CW	NMF	COMMSTA Boston, MA	FC	10.0	USCG/Notice to
			Fishermen broadcasts at 1350 & 2150			
8504.0	CW	ZLB4	Awarua Radio, New Zealand	FC	5.0	AMVER
8505.0	CW	XFK	La Paz (Baja California) R., Mexico	FC	0.5	
8505.0	CW	TBO3	Izmir Naval, Turkey	FC	....	Turkist Navy
8505.0	CW	UCW4	Leningrad Radio, USSR	FC	....	[RJFY]
8506.0	CW	UDH	Riga Radio, Latvian SSR	FC	10.0	
8506.0	CW	XSX	Keelung Radio, Taiwan	FC	5.0	
8508.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
8508.0	CW	KLC	Galveston (Arcadia), Radio, TX	FC	4.0	
8509.5	CW	CCM	Magallanes Radionaval, Chile	FC	7.5	Chilean Navy
8510.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
8510.0	CW	J2A8	Djibouti Radio, Djibouti	FC	2.5	
8510.0	CW	FFS4	St. Lys Radio, France	FC	10.0	
8510.0	170/75N	NMO	COMMSTA Honolulu, HI	FC	5.0	USCG
8510.0	CW	UKK3	Nakhodka Radio, USSR	FC	5.0	[4KT]
8510.0	*170/50Nc	UFL	Vladivostok Radio, USSR	FC	80.0	
8511.9	CW	DAL	Norddeich Radio, GFR	FC	5.0	
8513.0	CW	XFY	Guaymas Radio, Mexico	FC	1.0	
8513.9	CW	XSQ4?	Guangzhou Radio, PRC	FC	7.0	
8514.0	CW	LPB85	Gen. Pacheco Radio, Argentina	FC	3.0	
8514.0	CW	VWB	Bombay Radio, India	FC	2.5	(NOAA reports
			wx broadcasts at 0048, 0448, 0848, 1248, 1648 & 2048)			
8514.0	850/50R	PBC98	Goeree Island Naval, Netherlands	FC	10.0	[N13A] Dutch Navy

kHz	Mode	Call	Location	Service	kW	Remarks
8514.0	CW	XFA	Acapulco Radio, Mexico	FC	0.5	
8514.0	CW	XFL	Matzatlan Radio, Mexico	FC	1.0	
8514.0	CW	WSL	Amagansett Radio, NY	FC	10.0	(NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300)
8515.0	CW	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	
8515.0	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	
8515.0	*170/50Nc	UMV	Murmansk Radio, USSR	FC	25.0	
8515.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
8515.0	CW	UFL	Vladivostok Radio, USSR	FC	10.0	
8516.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
8516.0	CW	GKC4	Portishead Radio, England	FC	10.0	
8516.2	CW	SXE	Aspropyrgos Radio, Greece	FC	3.5	
8516.3	CW	5AT	Tripoli Radio, Libya	FC	10.0	
8518.0	CW	4XZ	Haifa Naval, Israel	FC	2.0	Israel Navy
8518.0	CW	ELC	Monrovia Radio, Liberia	FC	2.5	
8520.0	CW	ZLO	Irirangi Naval, New Zealand	FC	....	RNZ Navy
8520.0	CW	UKW3	Korsakov Radio, USSR	FC	1.0	
8520.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
8520.0	CW	UVZ	unknown	FC	....	TFL 1615
8520.1	CW	PPO	Olinda Radio, Brazil	FC	1.0	(NOAA reports wx broadcasts at 0100, 0600, 1000, 1200, 1500, 1830, 2020 & 2100)
8521.0	CW	VIS26	Sydney Radio, NSW, Australia	FC	2.5	AMVER
8522.0	CW	9WW20	Kuching Radio, Malaysia	FC	0.8	
8522.5	CW	FFL4	St. Lys Radio, France	FC	10.0	
8523.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
8523.4	CW	JOR	Nagasaki Radio, Japan	FC	10.0	
8524.0	850/75R	CTW8	Monsanto Naval, Portugal	FC	....	Port. Navy (NOAA reports surface analysis at 0555, 1155, 1755 & 2355)
8525.0	CW	9KK6	Kuwait Radio, Kuwait	FC	5.0	(NOAA reports wx broadcast on request)
8525.0	CW	WNU33	Slidell Radio, LA	FC	3.0	
8526.0	CW	LPD52	Gen. Pacheco Radio, Argentina	FC	10.0	
8526.0	CW	VVC	Calcutta Radio, India	FC	2.5	(NOAA reports wx broadcast at 1418)
8526.0	CW	JMC4	Tokyo Radio, Japan	FC	4.0	(NOAA reports wx broadcast at 1518)
8527.0	FAX/CW	CTW8	Monsanto Naval, Portugal	FC	5.0	Port. Navy (wx 0800, 2000)
8527.6	CW	LFN	Rogaland Radio, Norway	FC	5.0	AMVER
8528.0	CW	LSO3	Buenos Aires Radio, Argentina	FS	1.0	Argentine Navy
8528.0	CW	JYO	Aqaba Radio, Jordan	FC	5.0	
8528.5	CW	EBA	Madrid Radionaval, Spain	FC	10.0	Spanish Navy
8528.5	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	Reported wx broadcasts at 0100 & 0600
8529.9	CW	9VG35	Singapore Radio, Singapore	FC	3.0	TFL 1030
8530.0	CW/F1	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
8530.0	CW	SVJ4	Athens Radio, Greece	FC	5.0	
8530.0	CW	IQH	Naples Radio, Italy	FC	6.0	
8530.0	CW	IAR28	Rome P.T. Radio, Italy	FC	7.0	(NOAA reports wx broadcasts at 0700 & 1900)
8530.0	CW	UQK2	Riga Radio, Latvian SSR	FC	10.0	[4LN]
8532.0	CW	LZW42	Varna Radio, Bulgaria	FC	10.0	
8534.0	CW	GYA	London (Northwood) Naval, England	FC	10.0	British Navy
8534.0	CW	JCG	Yokohama Radio, Japan	FC	1.0	+ many others
8534.0	CW	ARL71	Karachi Naval, Pakistan	FC	10.0	Pakistan Navy
8534.0	CW	3VP	La Skhirra Radio, Tunisia	FC	0.6	
8535.0	CW	UTA/ESF	Tallinn Radio, Estonian SSR	FC	10.0	
8535.0	CW	UKA	Vladivostok Radio, USSR	FC	10.0	
8535.0	425/50N	....	unknown, probably in Far East	..	....	Meteo
8536.5	CW	SVF4	Athens Radio, Greece	FC	5.0	
8538.0	CW	XSA2	Nanjing Radio, PRC	FC	10.0	
8539.0	CW	VPS35	Cape D'aguiar Radio, Hong Kong	FC	3.5	TIME SIGNALS/ (NOAA reports wx broadcasts at 0118, 0430, 0718 & 1318)
8540.0	CW	UFN	Novorossiysk Radio, USSR	FC	....
8540.1	CW	PJK38	Suffisant Dorp Naval, Curacao	FC	10.0	Dutch Navy
8540.9	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	....
8541.0	CW	XSJ	Zhanjiang Radio, PRC	FC	2.0	
8541.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	1.5	[4LI] (aka RWWN) (Appears to have a TASS Nx broadcast on Saturdays at 1000)

kHz	Mode	Call	Location	Service	kW	Remarks
8542.0	CW	PWZ	Rio de Janiero Naval, Brazil	FC	10.0	Brazilian Navy
8542.0	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
8542.0	CW	PKI	Jakarta Radio, Indonesia	FC	2.0	TIME SIGNALS wx at 1100
8545.8	CW	XST	Qingdao Radio, PRC	FC	5.0	
8545.9	CW	GKA4	Portishead Radio, England	FC	10.0	(NOAA reports wx broadcasts 0930 & 2130/NAVAREA at 0730 & 1730)
8546.0	CW	ARL	Karachi Naval, Pakistan	FC	10.0	Pakistan Navy
8546.0	CW	XSY	Hualien Radio, Taiwan	FC	2.5	
8546.0	CW	KLB	Seattle Radio, WA	FC	3.5	
8546.0	CW	9PM7	Matadi Radio, Zaire	FC	1.0	
8546.0	CW	UHK	Batumi Radio, USSR	FC	....
8547.5	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
8547.5	850/75R	CCS	Santiago Navl Radio, Chile	FC	....	Chilean Navy
8548.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	
8548.0	CW	9PA5	Banana Radio, Zaire	FC	3.0	Reported wx broadcasts at 0620, 0820, 1220 & 1620
8548.9	CW	DZF	Manila (Bacoor) Radio, Philippines	FC	0.5	Reported wx broadcasts at 1600 & 2200
8549.0	CW	UXN	Arkhangelsk Radio, USSR	FC	10.0	
8550.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	2.0	Brazilian Navy (NOAA reports wx broadcasts at 0030, 0630 & 1730)
8550.0	CW	FFT4	St. Lys Radio, France	FC	10.0	
8550.0	CW	TBA5	Ankara Naval, Turkey	FC	....	Turkist Navy/NATO
8550.0	*170/50Nc	UQ44	Kiev Radio, Ukrainian SSR	FC	25.0	
8550.0	CW	UDK2	Murmansk Radio, USSR	FC	10.0	[4LS]
8550.0	CW	WPA	Port Arthur Radio, TX	FC	5.0	
8550.4	CW	FUX	Le Port Naval, Reunion	FC	10.0	French Navy
8551.5	CW	CTP95	Oeiras Naval, Portugal	FC	5.0	Port. Navy/NATO
8552.0	CW	GK4	Portishead Radio, England	FC	10.0	
8552.0	CW	UHF3	Yeysk Staro Radio, USSR	FC	....
8554.0	CW	JCX	Naha Radio, Okinawa, Japan	FC	10.0	
8554.0	CW	FUF	Fort de France Naval, Martinique	FC	10.0	French Navy
8554.0	CW	3BA4	Mauritius (Bigara) Radio, Mauritius	FC	5.0	
8554.0	CW	UQK2	Riga Radio, Latvian SSR	FC	5.0	
8555.0	CW	1TB85	unknown, in Turkey	FC	....	Turkist Navy
8555.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
8555.0	CW	UFH	Petropavlovsk Radio, USSR	FC	5.0	
8556.0	170/ARQ	SAB44	Goteborg Radio, Sweden	FC	5.0	
8556.1	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
8557.0	CW	DZP	Manila (Novaliches) R. Philippines	FC	3.0	Reported wx broadcasts at 0300 & 1100
8557.0	CW	SPE41	Szezecin Radio, Poland	FC	10.0	
8557.0	CW	UGH2	Juzno-Sakhalinsk Radio, USSR	FC	5.0	
8558.0	CW	CCV6	Valparaiso Naval, Chile	FC	2.0	Chilean Navy/ TIME SIGNALS/Tfc(NOAA reports wx broadcasts at 0110, 1330 & 1430)
8558.4	CW	KFS	San Francisco Radio, CA	FC	20.0	
8559.5	CW	GKB4	Portishead Radio, England	FC	10.0	
8562.0	CW	PCH40	Scheveningen Radio, Netherlands	FC	3.0	AMVER
8563.0	CW	XFE	Ensenada Radio, Mexico	FC	0.5	
8564.0	CW	LZL4	Bourgas Radio, Bulgaria	FC	5.0	
8564.1	CW	DZL2	Mandaluyong Radio, Philippines	FC	0.8	Reported wx broadcasts at 0000 & 1000
8565.0	CW	D3E51	Luanda Radio, Angola	FC	5.0	
8565.0	850/50R	FUB	Paris Naval Radio, France	FC	....	FAAA, French Navy
8565.0	850/50R	HWU	LeBlanc Naval Radio, France	FC	....	FAAZ
8565.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
8565.0	CW	UKA	Vladivostok Radio, USSR	FC	5.0	
8566.0	CW	VTO4	Vishakhapatnam Naval, India	FC	....	Indian Navy
8566.0	CW	ZSJ4	NAVCOMCEN Silvermine, RSA	FC	5.0	RSA Navy/AMVER
8566.0	CW	VTF4	Bombay Naval Radio, India	FC	....	Indian Navy
8567.0	CW	XDA	Radiomex, DF, Mexico	FC	10.0	
8567.6	CW	DZR	Manila Radio, Philippines	FC	10.0	Reported wx broadcast at 0120
8567.9	CW	FUV	Djibouti Naval, Djibouti	FC	....	French Navy
8568.7	CW	XPM	Manzanillo Colimas Radio, Mexico	FC	0.5	
8569.0	CW	CMU967	Santiago Naval, Cuba	FC	....	Russian Navy
8569.0	CW	GKD4	Portishead Radio, England	FC	10.0	
8570.0	CW	WNU43	Slidell Radio, LA	FC	3.0	(NOAA reports wx broadcasts at 0430 & 1630)

kHz	Mode	Call	Location	Service	kW	Remarks
8570.0	CW	NRV	Barrigada Commsta USCG, Guam	FC	....	AMVER
8570.0	CW	UPB	Providenia Bukhta Radio, USSR	FC	10.0	HX
8570.0	CW	XVT5	Danang Radio, Vietnam	FC	1.0	
8570.5	CW	UQD2	Magadan Radio, USSR	FC	....
8571.0	CW	UFN	Novorossiysk Radio, USSR	FC	10.0	
8572.0	CW	5TA23	Nouadhibou Radio, Mauritania	FC	1.0	
8572.0	CW	TBA6	Ankara Naval, Turkey	FC	....	Turkist Navy
8573.0	CW	CLA21	Havana (Cojimar), Cuba	FC	5.0	PL Nx 0700-0800
				Not on	Sundays	(To Ships at Sea)
8573.5	CW	HSA4	Bangkok Radio, Thailand	FC	5.0	wx at 0750 & 1050
8573.8	CW	HKC3	Buenaventura Radio, Colombia	FC	0.5	
8574.0	CW	XSU	Yantai Radio, PRC	FC	0.5	
8574.0	CW	LGB	Rogaland Radio, Norway	FC	5.0	AMVER
8574.0	CW	DZD	Manila (Antipolo), Philippines	FC	0.4	wx at 0300 & 1100
8574.0	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG/AMVER
8575.0	CW	URD	Leningrad Radio, USSR	FC	5.0	
8575.0	*170/50Nc	UKX	Nakhodka Radio, USSR	FC	5.0	
8575.5	CW	XDA	Radiomex, DF, Mexico	FC	10.0	
8576.0	CW	DZZ	Manila Radio, Philippines	FC	0.1	Reported wx
				broadcasts at	0905 & 1705	
8576.0	CW	↑RCV	Moscow Naval, USSR	FC	....	Russian Navy
8576.5	CW	ZSD45	Durban Radio, RSA	FC	3.5	(NOAA reports
				wx broadcasts at	0905 & 1705)	
8577.0	CW	HLO	Seoul Radio, South Korea	FC	3.5	Reported wx
				broadcasts at	0230 & 0930	
8577.8	CW	SUH3	Alexandria Radio, Egypt	FC	3.0	
8578.0	CW	NGR	NAVCOMMSTA Nea Makri, Greece	FC	10.0	USN
8578.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	2.0	Uruguayan Navy
8580.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	(NOAA reports
				wx broadcasts at	1030 & 2330)	
8580.0	CW	RKLM	Arkhangelsk Radio, USSR	FC	5.0	[4LY] UFD9
8580.0	*170/50Nc	UNQ	Novorossiysk Radio, USSR	FC	5.0	
8580.0	CW	URL3	Sevastopol Radio, Ukrainian SSR	FC	5.0	[4LA]
8580.5	*FAX	GKN4	Portishead Radio, England	FC	10.0	
8581.4	CW	XFC	Cozumel Radio, Mexico	FC	0.5	
8581.6	CW	GKM4	Portishead Radio, England	FC	10.0	
8582.0	CW	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG/AMVER
8582.0	CW	XSW	Kaohsiung Radio, Taiwan	FC	1.0	(NOAA reports
				wx broadcasts at	0500, 1100, 1700 & 2300)	
8582.0	CW	RMHB	unknown	FC	....
8582.2	CW	KL8	Seattle Radio, WA	FC	3.5	
8582.5	CW	GK04	Portishead Radio, England	FC	10.0	
8584.0	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
8584.0	CW	VPS36	Cape D'aguilar Radio, Hong Kong	FC	3.5	
8584.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	
8585.0	CW	KUQ20	Pago Pago Radio, American Samoa	FC	2.5	AMVER(NOAA re-
				ports wx broadcasts at	0400 & 2000)	
8585.0	*170/50Nc	UKK3	Nakhodka Radio, USSR	FC	5.0	
8586.0	CW	XSO	Wenzhou Radio, PRC	FC	1.0	
8586.0	CW	UJ05	Izmail Radio, Ukrainian SSR	FC	....
8586.0	CW	WCC	Chatham Radio, MA	FC	20.0	Reported wx
				warning broadcast at	1130	
8588.0	CW	DZG	Manila (Marilao) Radio, Philippines	FC	5.0	Reported wx
				broadcasts at	0320 & 1520	
8588.0	CW	4WD3	Hodeidah Port Radio, Yemen A.R.	FC	1.0	
8589.0	CW	HPP	Panama Radio, Panama	FC	5.0	
8590.0	CW	UHK	Batumi Radio, Georgian SSR	FC	5.0	
8590.0	CW	UOP	Tuapse Radio, USSR	FC	10.0	
8590.0	CW	UFL	Vladivostok Radio, USSR	FC	10.0	
8590.0	CW	XVS8	Ho Chi Minh City Radio, Vietnam	FC	1.0	(NOAA reports
				wx broadcasts at	0048, 0448 & 1148)	
8591.5	CW	GKG4	Portishead Radio, England	FC	10.0	
8593.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
8595.0	CW	UFL	Vladivostok Radio, USSR	FC	10.0	Reported wx
				broadcasts at	0900 & 2300/NAVAREA at 0100 & 1500	
8595.4	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	2.0	
8595.5	CW	9MG2	Penang Radio, Malaysia	FC	5.0	HX
8595.5	CW	XFP	Chetumal Radio, Mexico	FC	0.5	Reported
				NAVAREA broadcast at	0000	
8596.0	CW	RIT	unknown, probably in USSR	FC	....

kHz	Mode	Call	Location	Service	kW	Remarks
8597.0	CW	VIP3	Perth Radio, WA, Australia	FC	10.0	AMVER (NOAA re-ports wx broadcasts at 0100, 1200 & 1300)
8597.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	....	[C13E] C. Forces
8597.0	CW	VTK	Tuticorin Naval, India	FC	....	Indian Navy
8597.2	CW	CTH	Horta Naval, Azores	FC	....	[P13C] Port. Navy
8598.0	CW	XSL	Fuzhou Radio, PRC	FC	1.0	
8598.0	CW	OXZ4	Lyngby Radio, Denmark	FC	10.0	Nx 1330-1400
8598.4	*850/75Ne	ZL04	Irirangi Naval, New Zealand	FC	7.5	RNZ Navy
8599.9	CW	XSV	Tianjin Radio, PRC	FC	4.0	
8600.0	CW	DXF	Davao Radio, Philippines	FC	0.4	
8600.0	CW	URD	Leningrad Radio, USSR	FC	10.0	
8601.5	CW	HEB	Berne Radio, Switzerland	FC	10.0	
8602.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	....
8602.0	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	wx at 0000, 1400 & 1900
8604.0	CW	GKH4	Portishead Radio, England	FC	10.0	
8604.4	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	Reported wx broadcasts at 0300 & 1000
8605.0	CW	↑"KZU"	unknown	FC	....
8606.0	CW	GK14	Portishead Radio, England	FC	10.0	
8606.0	CW	USW2	Rostov Radio, USSR	FC	....
8607.0	CW	LZW43	Varna Radio, Bulgaria	FC	5.0	
8607.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	....
8608.0	CW	HPN60	Canal R., Panama	FC	1.0	AMVER
8609.2	CW	CLJ	Caibarien Radio, Cuba	FC	....	Tfc/USSR ships (MORFLOT) TFL 2300
8609.5	CW	9VG73	Singapore Radio	FC	5.0	
8610.0	CW	JFO	Fukuoka Gyogyo Radio, Japan	FC	0.5	
8610.0	CW	UXN	Arkhangelsk Radio, USSR	FC	25.0	
8610.0	*170/50Nc	UEB2	Petropavlovsk Radio, USSR	FC	5.0	
8610.0	CW	WMH	Baltimore Radio, MD	FC	5.0	
8611.8	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
8613.2	CW	GYC4	London (Northwood) Naval, England	FC	10.0	British Navy
8614.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	10.0	C. Forces
8614.0	CW	XSJ	Zhanjiang Radio, PRC	FC	2.0	
8614.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	10.0	
8615.0	CW	DXF	Davao Radio, Philippines	FC	0.4	
8615.0	CW	UDH2	Riga Radio, Latvian SSR	FC	5.0	
8615.5	CW	WPD	Tampa Radio, FL	FC	5.0	(NOAA reports wx broadcasts at 1420 & 2320)
8616.0	CW	JHC	Choshi Gyogyo Radio, Japan	FC	....
8616.0	CW	HAR3	Budapest Naval Radio, Hungary	FC	1.0	
8617.0	CW	XSV	Tianjin Radio, PRC	FC	2.0	
8617.5	CW	URD2	Leningrad Radio, USSR	FC	10.0	
8618.0	CW	ETC	Assab Radio, Ethiopia	FC	2.0	
8618.0	CW	VTP3	Vishakhapatnam Naval, India	FC	....	Indian Navy
8618.0	CW	EDZ4	Aranjuez Radio, Spain	FC	10.0	
8618.0	CW	KPH	San Francisco Radio, CA	FC	20.0	
8619.0	CW	VRN35	Cape D'aguilar Radio, Hong Kong	FC	3.5	(NOAA reports wx broadcasts at 0118 & 1318)
8620.0	CW	MTI	Plymouth Naval, England	FC	....	British Navy
8620.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	10.0	Black Sea
8620.0	CW	UMV	Murmansk Radio, USSR	FC	10.0	
8620.0	CW	UKX	Nakhodka Radio, USSR	FC	5.0	
8620.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	10.0	
8622.0	CW	XSF	Lianyungang Radio, PRC	FC	1.6	
8622.0	CW	PCH41	Scheveningen Radio, Netherlands	FC	10.0	AMVER
8624.0	CW	XSQ	Guangzhou Radio, PRC	FC	2.0	
8625.0	CW	YKM7	Lattakia Radio, Syria	FC	1.0	
8625.1	CW	FUM	Papeete Mahina Naval, Tahiti	FC	10.0	French Navy
8625.2	CW	GYU4	Gibraltar Naval	FC	10.0	British Navy
8626.0	CW	OXZ41	Lyngby Radio, Denmark	FC	10.0	
8626.0	CW	PKC2	Plaju Radio, Indonesia	FC	1.0	Pertamina
8626.0	CW	PK12	Jakarta Radio, Indonesia	FC	1.0	
8626.0	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
8626.0	CW	PKR6	Cilacap Radio, Indonesia	FC	0.4	2300-2400
8626.0	CW	PKB20	Lhok Seumawe Radio, Indonesia	FC	1.0	
8626.0	CW	PKJ20	Sekupang Radio, Indonesia	FC	1.0	0630-0700 & 0830-0900
8626.8	CW	KLC	Galveston (Arcadio) Radio, TX	FC	3.8	
8627.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
8627.5	CW	OMK	Komarno Radio, Czechoslovakia	FC	1.0	

Hz	Mode	Call	Location	Service	kW	Remarks
8627.5	CW	OMP4	Prague Radio, Czechoslovakia	FC	1.0	
8628.0	CW	VRN	Cape D'aguiar Radio, Hong Knog	FC	3.5	
8628.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
8628.0	CW	DXR	Manila Radio, Philippines	FC	....	Reported wx broadcasts at 0300 & 1000
8628.5	CW	NOJ	COMMSTA Kodiak, AK	FC	5.0	USCG
8630.0	CW	VWB	Bombay Radio, India	FC	2.5	(NOAA reports wx broadcast at 0650) Reported NAVAREA broadcasts at 0648 & 1548
8630.0	CW	A7S	Qatar Radio, Qatar	FC	....
8630.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
8630.0	CW	WCC	Chatham Radio, MA	FC	20.0	
8630.5	CW	9MB4	Penang Naval, Malaysia	FC	....	Malaysian Navy
8631.0	CW	XFQ	Salina Cruz Radio, Mexico	FC	0.5	
8631.6	CW	XSW	Kaohsiung Radio, Taiwan	FC	1.0	
8632.0	170/75Nc	UKA	Vladivostok Radio, USSR	FC	10.0	
8634.0	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS/Tfc
8634.0	CW	XSH	Basuo Radio, PRC	FC	1.0	
8634.0	CW	VTG6	Bombay Naval, India	FC	1.5	Indian Navy
8634.0	CW	SPH42	Gdynia Radio, Poland	FC	10.0	
8634.0	CW	CQK	Sao Tome R., Sao Tome & Principe	FC	0.5	
8634.0	CW	CQL	Principe R., Sao Tome & Principe	FC	0.5	
8635.0	CW	UJQ2	Kiev Radio, Ukrainian SSR	FC	10.0	[4LA]
8636.0	CW	DZU	Manila (Pasig) Radio, Philippines	FC	1.0	
8636.0	CW	HLW	Seoul Radio, South Korea	FC	7.0	
8638.5	CW	DAM	Norddeich Radio, GFR	FC	10.0	TIME SIGNALS/Tfc (Time signals 1155-1206 & 2355-0006, only)
8640.0	CW	XSK4	Haimen Radio, PRC	FC	0.5	
8640.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	10.0	
8640.0	CW	UKA	Vladivostok Radio, USSR	FC	10.0	
8641.0	170/...e	....	unknown	FC	....
8641.8	CW	CTV6	Monsanto Naval, Portugal	FC	....	Port. Navy
8642.0	CW	D3L25	Luanda Naval, Angola	FC	6.0	Russian Navy
8642.0	CW	C9C8	Maputo Naval, Mozambique	FC	3.0	Russian Navy
8642.0	CW	D4A7	Sao Vicente Radio, Cape Verde	FC	3.0	wx at 0830
8642.0	CW	HIA2	Domingo Piloto Radio, Dominican Rep.	FC	0.5	Reported wx broadcasts at 0300 & 1700
8642.0	CW	HIP2	Puerto Plata R., Dominican Republic	FC	0.5	
8642.0	CW	KPH	San Francisco Radio, CA	FC	10.0	
8643.0	CW	UKA	Vladivostok Radio, USSR	FC	....
8643.0	*170/50Nc	UKX	Nakhodka Radio, USSR	FC	5.0	
8643.5	170/50N/CW	UFB	Odessa Radio, USSR	FC	....	(4KA)
8644.0	CW	XFS	Tampico Radio, Mexico	FC	0.5	
8644.1	*FAX	↑WWD	La Jolla Radio (Scripps), CA	FC	....	Meteo (NOAA reports wx broadcasts 1700 & 2300--June thru October)
8645.0	CW	UAT	Moscow Radio, USSR	FC	25.0	
8645.5	CW	"F"	unknown	RC	....	Beacon
8646.0	CW	LPD86	Gen. Pacheco Radio, Argentina	FC	3.0	AMVER
8646.0	CW	VTP6	Vishakhapatnam Naval, India	FC	1.5	Indian Navy/ Reported NAVAREA & wx broadcasts at 0500, 0900, 1500, 1915 & 2315
8646.0	CW	SAB4	Goteborg Radio, Sweden	FC	5.0	AMVER
8646.0	CW	"C"	unknown	RC	....	Beacon
8646.2	CW	FUJ	Noumea Naval, New Caledonia	FC	20.0	French Navy
8646.5	CW	"P"	unknown	RC	....	Beacon
8647.0	CW	"D"	unknown	RC	....	Beacon
8647.5	CW	JDC	Choshi Radio, Japan	FC	10.0	
8648.0	CW	DHLJ59	Sengwarden Naval, GFR	FC	....	[G23B] German Navy/NATO
8648.0	CW	DZH	Manila Radio, Philippines	FC	0.3	Reported wx broadcasts at 1100 & 2320
8649.5	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
8650.0	CW	NMO	COMMSTA Honolulu, HI	FC	10.0	USCG/AMVER (NOAA reports wx broadcasts at 1745 & 2345)
8650.0	CW	OBC3	Callao Radio, Peru	FC	0.5	TIME SIGNALS
8650.0	CW	SPE42	Szczecin Radio, Poland	FC	10.0	
8650.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	
8650.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	10.0	
8650.0	CW	....	.....	MS	....	USCG (This special frequency available to USCG ships for commun-

kHz	Mode	Call	Location	Service	kW	Remarks
ications with merchant vessels--duplex transmissions)						
8651.0	CW	XSI	Sania Radio, PRC	FC	0.5	
8651.0	CW	HZG	Damman Radio, Saudi Arabia	FC	10.0	
8652.0	CW	OST42	Oostende Radio, Belgium	FC	10.0	
8652.0	CW	STP	Port Sudan Radio, Sudan	FC	1.5	
8652.5	CW	PZN3	Paramaribo Radio, Suriname	FC	1.0	
8653.0	CW/F1	RNO	Moscow Radio, USSR	FC	....	SA/AMC
8653.6	CW	JCS	Choshi Radio, Japan	FC	3.0	
8654.4	CW	PCH42	Scheveningen Radio, Netherlands	FC	10.0	AMVER
8655.0	CW	....	unknown	FC	....
8656.0	CW	DZM	Manila (Bulacan) Radio, Philippines	FC	....
8656.0	CW	IAR38	Rome P.T. Radio, Italy	FC	7.0	
8656.0	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
8657.0	CW	FUJ	Noumea Naval, New Caledonia	FC	....	French Navy
8657.0	CW	IJQ	Kiev Radio, USSR	FC	....
8657.6	USH	....	"PROVIDER", unknown	FX	....	US Military
8658.0	CW	S3E	Khulna Radio, Bangladesh	FC	10.0	
8658.0	CW	ASK	Karachi Radio, Pakistan	FC	3.5	
8658.0	CW	WSL	Amagansett Radio, NY	FC	10.0	
8659.5	CW	SPA4	Sparta Attikis Naval, Greece	FC	....	[K13A/Y] Greek Navy/NATO
8659.5	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	
8660.0	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
8660.0	CW	RPLT	Tuapse Radio, USSR	FC	....
8660.5	CW	IJD7	Kiev Radio, USSR	FC	....	[4LA]
8662.0	CW	JJH	Kure Radio, Japan	FC	1.0	
8662.0	CW	XSW	Kaohsiung Radio, Taiwan	FC	....
8662.0	CW	TCR	Tophane Kulesi Radio, Turkey	FC	0.2	
8662.0	850/...e	....	unknown	FX	....
8662.5	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	....	[4LI]
8662.9	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
8663.0	CW	UFN	Novorossiysk Radio, USSR	FC	10.0	
8663.5	CW	LFB2	Rogaland Radio, Norway	FC	5.0	
8663.5	170/50N/CW	UJQ7	Kiev Radio, Ukrainian SSR	FC	5.0	
8663.6	CW	YPO	Giurgiu Radio, Rumania	FC	....
8664.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
8664.5	CW	FUM	Papeete Naval, Tahiti	FC	....	French Navy
8665.0	CW	XSG3	Shanghai Radio, PRC	FC	4.0	
8665.0	CW	6WU	Dakar Naval, Senegal	FC	....	French Navy
8666.0	CW	FUG3	La Regine Naval, France	FC	....	French Navy
8666.0	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	(NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330)
8666.4	CW	SPH43	Gdynia Radio, Poland	FC	10.0	
8668.0	CW	YIR	Basrah Control, Iraq	FC	1.0	(NOAA reports wx broadcasts on request)
8669.9	CW	IAR8	Rome P.T. Radio, Italy	FC	7.0	
8670.0	CW	ASK	Karachi Radio, Pakistan	FC	1.0	
8670.0	CW	UAI	Nakhodka Radio, USSR	FC	....
8671.0	CW	SXA8	Sparta Attikis Naval, Greece	FC	5.0	Greek Navy/NATO
8672.0	CW	DZI	Manila (Bacoar) Radio, Philippines	FC	1.0	
8672.5	CW	DAF	Norddeich Radio, GFR	FC	10.0	
8673.0	*170/50Rc	UDZ2	Poti Radio, USSR	FC	5.0	
8674.0	CW	FUV	Djibouti Naval, Djibouti	FC	20.0	French Navy
8674.0	CW	CTP	Oeiras Naval, Portugal	FC	10.0	Port. Navy/NATO
8674.4	CW	VWM	Madras Radio, India	FC	2.5	(NOAA reports wx warnings broadcast at 0450, 0930, 1350 & 1800)
8674.9	CW	FFP3	Fort de France Radio, Martinique	FC	1.0	(NOAA reports wx warning broadcasts at 0000, 0400, 0830, 1300, 1600 & 2100)
8675.0	CW	UQB	Kholmsk Radio, USSR	FC	5.0	
8675.0	CW	RSGV	Petrozavodsk Radio, USSR	FC	....
8676.0	CW	DYM	Cebu Radio, Philippines	FC	0.4	
8678.0	CW	XSZ	Dalian Radio, PRC	FC	2.0	
8678.0	CW	VRD	Leningrad Radio, USSR	FC	....	[4KB]
8678.0	CW	ZLP4	Irirangi Naval, New Zealand	FC	20.0	RNZ Navy
8678.0	CW	LFB	Rogaland Radio, Norway	FC	5.0	AMVER
8678.0	CW	SPH44	Gdynia Radio, Poland	FC	10.0	
8679.0	CW	IQX	Trieste P.T. Radio, Italy	FC	6.0	
8679.0	CW	UQB	Kholmsk Radio, USSR	FC	5.0	Reported wx broadcasts at 0025 & 0825

kHz	Mode	Call	Location	Service	kW	Remarks
8680.0	CW	XUK3	Kompong Som-Ville Radio, Cambodia	FC	0.3	
8680.0	CW	RMP	Rostov Naval, USSR	FC	....	Russian Navy
8680.1	FAX	NMC	COMMSTA San Francisco, CA	FC	2.0	USCG/Meteo
			USCG reports pics at 0100, 0300, 0500, 0700, 1500, 1700, 2000 & 2300			
8681.0	CW	SVI4	Athens Radio, Greece	FC	5.0	
8682.0	CW	J2AB	Djibouti Radio, Djibouti	FC	2.5	(NOAA reports wx broadcasts at 0430, 0900 & 1700)
8682.0	CW	NMC	COMMSTA San Francisco, CA	FC	2.0	USCG/Wx broadcasts at 00, 0630 & 1900
8682.0	CW	JFS	Hachinohe Gyogyo Radio, Japan	FC	....
8682.1	CW	EAD3	Aranjuez Radio, Spain	FC	10.0	
8682.5	CW	CCS	Santiago Naval, Chile	FC	1.0	Chilean Navy
8683.6	*170/FEC	LFB2	Rogaland Radio, Norway	FC	5.0	
8684.0	CW	GKJ4	Portishead Radio, England	FC	10.0	
8685.0	CW	IRM6	CIRM, Rome Radio, Italy	FC	10.0	MEDICO/AMVER
8685.0	425/50R	....	unknown	FX	....	Bakhtar Nx Dari
8686.0	CW	PKB	Belawan Radio, Indonesia	FC	1.0	
8686.0	CW	PKF	Makassar Radio, Indonesia	FC	1.0	
8686.0	CW	PKA	Sabang Radio, Indonesia	FC	1.0	
8686.0	CW	JCT	Choshi Radio, Japan	FC	3.0	
8686.0	CW	CNP	Casablanca Radio, Morocco	FC	2.0	
8686.0	CW	C2N	Nauru Radio, Nauru	FC	1.0	
8686.0	CW	JWT	Stavanger Naval, Norway	FC	3.0	Norwegian Navy
8686.0	CW	HSA2	Bangkok Radio, Thailand	FC	5.0	Reported wx broadcast at 1045
8686.0	CW	WMH	Baltimore Radio, MD	FC	10.0	
8686.9	CW	SVA4	Athens Radio, Greece	FC	0.9	
8687.6	CW	URD	Leningrad Radio, USSR	FC	15.0	
8688.0	CW	9VG36	Singapore Radio,	FC	3.0	
8688.0	CW	WNU53	Slideil Radio, LA	FC	20.0	
8688.5	CW	ZSC6	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/Tfc
8690.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
8690.0	*F1B	FJY4	Martin de Vivies Radio, St. Paul and Amsterdam Islands	FC	1.0	(NOAA reports wx broadcasts at 0245 & 0545)
8690.0	CW	3DP3	Suva Radio, Fiji	FC	0.5	AMVER
8690.0	CW	SVD4	Athens Radio, Greece	FC	5.0	
8690.0	CW	TFA3	Reykjavik Radio, Iceland	FC	1.5	
8690.0	CW	XFA2	Acapulco Radio, Mexico	FC	1.0	Pemex
8690.0	CW	XFQ3	Salina Cruz Radio, Mexico	FC	0.5	
8690.0	CW	XFS3	Tampico Radio, Mexico	FC	1.0	
8690.0	CW	XFU2	Veracruz Radio, Mexico	FC	1.0	
8690.0	CW	6VA5	Dakar Radio, Senegal	FC	4.0	(NOAA reports wx forecasts at 1000 & 2200)
8690.0	CW	UMV	Murmansk Radio, USSR	FC	5.0	HX
8692.5	CW	SVD4	Athens Radio, Greece	FC	5.0	
8693.9	CW	XSZ	Dalian Radio, PRC	FC	2.0	(NOAA reports wx broadcasts at 0050 & 1050)
8694.0	CW	D3E52	Luanda Radio, Angola	FC	5.0	
8694.0	CW	S3D	Chittagong Radio, Bangladesh	FC	1.0	
8694.0	CW	CBM2	Magallanes (Punta Arenas) R., Chile	FC	0.7	
8694.0	CW	PJC	Curacao (Willemstad) R., Curacao	FC	2.5	(NOAA reports warning broadcast at 2300)
8694.0	CW	PKM	Bitung Radio, Indonesia	FC	1.0	
8694.0	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	
8694.0	CW	ASK	Karachi Radio, Pakistan	FC	2.0	(NOAA reports wx broadcast at 1630)
8694.4	CW	4XO	Haifa Radio, Israel	FC	2.5	
8695.1	CW	UHK	Batumi Radio, Georgian SSR	FC	5.0	Black Sea (UKG)
8696.0	CW	ZAD2	Durres Radio, Albania	FC	4.0	
8696.0	*F1B	XSC	Fangshan Naval, PRC	FC	10.0	PRC Navy
8696.0	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
8696.0	CW	9GX	Tema Radio, Ghana	FC	10.0	
8697.0	CW	CFH	Maritime Command, Halifax, NS, Canada (Canadian Forces)	FC	10.0	[C13L](NOAA reports wx broadcasts at 0200, 0530, 0630, 1400, 1800 & 1930). Seasonal ice warnings at 0230 & 1430
8697.0	850/75R	CFH	Maritime Command, Halifax, NS Canada (Canadian Forces)	FC	10.0	[C13LR] C. Forces (News Summary 1030)
8698.0	CW	XSC	Fangshan Radio, PRC	FC	....	wx at 1800

kHz	Mode	Call	Location	Service	kW	Remarks
8698.0	CW	JGC	Yokohama Radio, Japan	FC	1.0	JMSA
8698.0	CW	9MG2	Penang Radio, Malaysia	FC	1.0	
8698.0	CW	C9L4	Beira Radio, Mozambique	FC	1.0	
8698.0	CW	C9L2	Maputo Radio, Mozambique	FC	0.5	
8698.0	CW	C9L6	Mozambique Radio, Mozambique	FC	0.5	
8698.0	CW	FJP8	Noumea Radio, New Caledonia	FC	1.0	(NOAA reports wx broadcasts at 0000 & 0900)
8698.0	CW	50W8	Lagos Radio, Nigeria	FC	1.0	
8698.0	CW	UDK2	Murmansk Radio, USSR	FC	10.0	[aka UMW]
8700.0	CW	YUR3	Rijeka Radio, Yugoslavia	FC	6.0	
8700.0	850/75R	CTU5	Monsanto Naval Radio, Portugal	FC	....	Piza- RPFNCF
8700.4	CW	HKE	Barranquilla Radio, Colombia	FC	1.5	
8701.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
8701.9	CW	CLA22	Havana (Cojimar) Radio, Cuba	FC	5.0	PL Nx 0700-0800 Not on Sundays (To Ships at Sea)
8702.0	CW	LSN9	Buenos Aires, Argentina	FC	1.0	YPF
8702.0	CW	OSN48	Oostende Naval, Belgium	FC	....	Belgium Navy
8702.0	CW	XSR	Haikou Radio, PRC	FC	1.0	
8702.0	CW	ODR3	Beirut Radio, Lebanon	FC	1.0	wx at 0630 & 2030
8702.9	CW	CTU28	Monsanto Naval, Portugal	FC	10.0	[P13A] Port. Navy
8703.1	*170/50Rc	UXN	Arkhangelsk Radio, USSR	FC	10.0	Nx RR 0900 (Wednesdays & Saturdays)
8703.2	CW	"E"	unknown	RC	....	Beacon
8704.4	CW	SVB4	Athens Radio, Greece	FC	20.0	
8705.0	*170/ARQ	....	Olifantsfontein Radio, RSA	FC	5.0	
8705.0	*170/ARQ	WSL	Amagansett Radio, NY	FC	10.0	
8705.5	*170/ARQ	GKE4	Portishead Radio, England	FC	10.0	
8706.0	170/FEC	ZSD60	Durban Radio, RSA	FC	5.0	
8706.0	*170/ARQ	KFS	San Francisco Radio, CA	FC	20.0	
8707.0	*170/ARQ	LGB2	Rogaland Radio, Norway	FC	5.0	
8707.0	*170/ARQ	WLO	Mobile Radio, AL	FC	10.0	
8707.2	CW	WLO	Mobile Radio, AL	FC	10.0	
8707.4	*170/ARQ	VIP33	Perth Radio, WA, Australia	FC	10.0	
8708.0	170/ARQ	FFT41	St. Lys Radio, France	FC	10.0	
8708.0	170/ARQ	LFB2	Rogaland Radio, Norway	FC	5.0	
8708.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
8709.0	*170/ARQ	9VG78	Singapore Radio,	FC	10.0	
8709.0	*170/ARQ	HEC18	Berne Radio, Switzerland	FC	10.0	
8710.0	170/FEC	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG (NOAA reports Northwest Pacific & Indian Ocean forecast at 1500)
8710.0	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	HX
8710.0	170/ARQ	WFN	Louisville, KY	FC	5.0	
8710.6	*170/ARQ	VIS67	Sydney Radio, NSW, Australia	FC	5.0	
8711.0	*170/ARQ	GKP4	Portishead Radio, England	FC	10.0	
8711.0	*170/ARQ	KPH	San Francisco Radio, CA	FC	10.0	
8712.0	*170/ARQ	WLO	Mobile Radio, AL	FC	10.0	
8712.5	*170/ARQ	WCC	Chatham Radio, MA	FC	10.0	
8712.6	*170/ARQ	SVU4	Athens Radio, Greece	FC	5.0	
8713.0	850/50N	RBNF	Moscow Aeradio, USSR	AX	....
8713.0	CW	UDK2	Murmansk Radio, USSR	FC	....
8713.5	170/ARQ	FTT43	St. Lys Radio, France	FC	10.0	
8714.0	CW	9PA5	Banana Radio, Zaire	FC	3.0	
8714.2	*170/ARQ	ZSD60	Durban Radio, RSA	FC	10.0	
8714.9	*170/ARQ	WCC	Chatham Radio, MA	FC	25.0	
8714.9	170/ARQ	....	Unknown	....	AP Nx 2358	
8715.0	*170/ARQ	LGB3	Rogaland Radio, Norway	FC	5.0	
8716.0	425/50R	BAL2	Beijing, PRC	FX	15.0	Tfc
8716.5	....	VCS	Halifax CG Radio, NS, Canada	FC	....	NOAA reports North Atlantic synopsis at 0220, 1230 & 2100
8717.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
8717.0	*170/ARQ	WLO	Mobile Radio, AL	FC	10.0	
8718.0	CW	TJCS	Douala Radio, Cameroon	FC	0.8	

8718.9 - 8811.9 kHz — MARITIME COAST USB DUPLEX (Worldwide)

8718.9	USB	....	Rogaland Radio, Norway	FC	5.0	CH#801 (8195.0)
8718.9	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
8718.9	USB		This frequency used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR; NOJ, Kodiak, AK &			

kHz	Mode	Call	Location	Service	kW	Remarks
NRV, Barrigada, Guam						
8721.0	CW	PPE	Rio de Janeiro Radio, Brazil	FC	2.0	TIME SIGNALS
8722.0	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#802 (8198.1)
8722.0	CW	TRA8	Libreville Radio, Gabon	FC	0.5	1630-1700, only
8722.0	USB	Y5P	Ruegen Radio, GDR	FC	10.0	CH#802 (8198.1)
8722.0	USB	CUL	Lisbon Radio, Portugal	FC	5.0	" "
8722.0	USB	WOM	Miami Radio, FL	FC	10.0	" "
(NOAA reports wx broadcast at 1230)						
8725.1	USB	....	Goteborg Radio, Sweden	FC	5.0	CH#803 (8201.2)
8725.1	USB	....	Leningrad Radio, USSR	FC	10.0	" "
8725.1	USB	WFN	Jeffersonville, IN	FC/MS	0.8	Inland Waterway
8725.1	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
8728.2	USB	3AC8	Monaco Radio, Monaco	FC	10.0	CH#804 (8204.3)
8728.2	USB	9VG63	Singapore Radio, Singapore	FC	10.0	" "
8728.2	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
8728.2	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
(NOAA reports wx broadcasts at 0000, 0600 & 1500)						
8731.3	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#805 (8207.4)
8731.3	USB	PCG42	Scheveningen Radio, Netherlands	FC	10.0	" "
8731.3	USB	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	" "
8731.3	USB	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	" "
8731.3	USB	ZSC26	Cape Town Radio, RSA	FC	5.0	" "
8731.3	USB	WOM	Miami Radio, FL	FC	10.0	" "
(NOAA reports wx broadcast at 1330)						
8734.4	USB	VIP	Perth Radio, WA, Australia	FC	5.0	CH#806 (8210.5)
8734.4	USB	SVN4	Athens Radio, Greece	FC	5.0	" "
8734.4	USB	ICB	Genoa Radio 8, Italy	FC	7.0	" "
8734.4	USB	PCG43	Scheveningen Radio, Netherlands	FC	10.0	" "
8737.5	USB	5BA42	Nicosia Radio, Cyprus	FC	10.0	CH#807 (8213.6)
8737.5	USB	....	Reykjavik Radio, Iceland	FC	10.0	" "
8737.5	USB	ZLW	Wellington Radio, New Zealand	FC	10.0	" "
8737.5	USB	WGW	St. Louis (Granite City, IL), MO	FC/MS	0.8	Inland Waterway
8737.5	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
8740.6	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#803 (8216.7)
8740.6	USB	KMV	Agana Radio, Guam	FC	1.0	" "
8740.6	USB	KQM	Kahuku (Honolulu) Radio, HI	FC	0.8	" "
8740.6	USB	LFL4	Rogaland Radio, Norway	FC	10.0	" "
8740.6	USB	ZSD38	Durban Radio, RSA	FC	5.0	" "
(NOAA reports wx broadcast at 0918)						
8740.6	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
(NOAA reports wx broadcasts at 0100, 1300 & 1900)						
8743.7	USB	3AC9	Monaco Radio, Monaco	FC	10.0	CH#809 (8219.8)
8743.7	USB	LFL5	Rogaland Radio, Norway	FC	10.0	" "
8743.7	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
8745.0	CW	5AB	Benghazi, Libya	FC	....	CQ
8746.8	USB	3DP	Suva Radio, Fiji	FC	1.0	CH#810 (8222.9)
8746.8	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
8746.8	USB	LFL6	Rogaland Radio, Norway	FC	10.0	" "
8746.8	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
8746.8	USB	WOM	Miami Radio, FL	FC	10.0	" "
(NOAA reports wx broadcast at 2230)						
8746.8	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	CH#810 (8222.9)
8747.0	AI*	....	Beijing, PRC	FX	1.0	XNA Nx CC 1300-2200
8749.9	USB	VIP	Perth Radio, WA, Australia	FC	5.0	CH#811 (8226.0)
8749.9	USB	....	Hong Kong (Cape D'aguiar) Radio	FC	6.0	" "
8749.9	USB	LFL7	Rogaland Radio, Norway	FC	10.0	" "
8749.9	USB	*WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
(NOAA reports wx broadcasts at 0100, 1300 & 1900)						
8752.0	CW	"K"	unknown	RC	....	Beacon
8753.0	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#812 (8229.1)
8753.0	USB	SPC41	Gdynia Radio, Poland	FC	10.0	" "
8753.0	USB	....	unknown, possibly USSR	FC	....	" "
8756.1	USB	OSU45	Oostende Radio, Belgium	FC	10.0	CH#813 (8232.2)
8756.1	USB	LFL8	Rogaland Radio, Norway	FC	10.0	" "
8756.1	USB	....	numerous			USN "QUEBEC NET"
8759.2	USB	LPL3	Gen. Pacheco Radio, Argentina	FC	10.0	CH#814 (8235.3)
8759.2	USB	SVN4	Athens Radio, Greece	FC	5.0	" "
(NOAA reports wx broadcasts at 1215 & 2015)						
8759.2	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	CH#815 (8238.4)
8759.2	USB	....	Riga Radio, USSR	FC	....	" "

kHz	Mode	Call	Location	Service	kW	Remarks
8762.3	USB	VID	Darwin Radio, NT, Australia	FC	1.0	" "
8762.3	USB	OSU41	Oostende Radio, Belgium	FC	10.0	" "
8762.3	USB	DAJ	Norddeich Radio, GFR	FC	10.0	" "
8762.3	USB	9VG64	Singapore Radio, Singapore	FC	10.0	" "
8762.3	USB	....	Arkhangelsk Radio, USSR	FC	....	" "
8762.3	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
8765.4	USB	8PO	Barbados Radio, Barbados	FC	2.0	CH#816 (8241.5)
8765.4	USB	GPU46	Portishead Radio, England	FC	10.0	" "
8765.4	USB	NMO	COMMSTA Honolulu, HI	FC	10.0	USCG CH#816 (8241.5)
			[USCG reports wx broadcasts at 0545, 1145, 1745 & 2345]			
8765.4	USB	EHY	Pozuelo de Rey Radio, Spain	FC	10.0	" "
8765.4	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG CH#816 (8241.5)
			(NOAA wx broadcasts at 0430 & 1030)			
8765.4	USB	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG/AMVER CH#816 (8241.5)
			[USCG reports wx broadcasts at 0400, 0530, 1000, 1130, 1600, 1730, 2200 & 2300]			
8765.4	USB		This frequency is used by USCG Coastal Stations: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
8768.5	USB	VIT	Townsville Radio, Qld., Australia	FC	1.0	CH#817 (8244.6)
8768.5	USB	VRT	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	" "
8768.5	USB	FFL43	St. Lys Radio, France	FC	10.0	" "
8768.5	USB	DAJ	Norddeich Radio, GFR	FC	10.0	" "
8768.5	USB		This frequency is used by USCG Coastal Stations: NMA, Miami, FL; NMG, New Orleans, LA & NOJ, Kodiak, AK [May be used for special law enforcement activities when required]			
8771.6	USB	5BA44	Nicosia Radio, Cyprus	FC	10.0	CH#818 (8247.7)
8771.6	USB	....	Lyngby Radio, Denmark	FC	10.0	" "
8771.6	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
8771.6	USB	....	Bakia Blanca R., Argentina	FC	....	" "
8774.7	USB	....	Santa Rei, Brazil	FC	....	" "
8774.7	USB	PPB	Sao Luis Radio, Brazil	FC	1.0	CH#819 (8250.8)
8774.7	USB	PPM	Manaus Radio, Brazil	FC	1.0	" "
8774.7	USB	PPN	Natal Radio, Brazil	FC	1.0	" "
8774.7	USB	GPU49	Portishead Radio, England	FC	10.0	" "
8774.7	USB	....	Rome Radio 8, Italy	FC	7.0	" "
8774.7	USB		This frequency is also used by USCG Coast Stations: NMC, San Francisco, CA; NMF, Boston, MA & NMO, Honolulu, HI			
8777.4	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
8777.8	USB	DAI	Norddeich Radio, GFR	FC	10.0	CH#820 (8253.9)
8777.8	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
8777.8	USB	....	Rome Radio 8, Italy	FC	7.0	" "
8777.8	USB	....	unknown	FX	....	USAF
8777.0	USB	....	numerous, around USA coastline	FC/MS	....	USN
8778.0	USB	"Q10"	unknown	..	....	" "
8780.0	USB	....	CAPROCK -- Cannon Int'l., Reno, NV	FA	....	USAF/ANG
8780.9	USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#821 (8257.0)
8784.0	USB	PPL	Belem Radio, Brazil	FC	1.0	CH#822 (8260.1)
8784.0	USB	HEB18	Berne Radio, Switzerland	FC	10.0	" "
8784.0	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
8784.0	CW	†CQT	unknown	..	....	" "
8787.1	USB	VCS	Halifax CG Radio, NS, Canada	FC	5.0	CH#823 (8263.2)
			[NOAA reports wx broadcasts at 0215, 0815, 1615 & 2215]			
8787.1	USB	ICB	Genoa Radio 8, Italy	FC	5.0	CH#823 (8263.2)
8790.2	USB	PPO	Olinda Radio, Brazil	FC	1.0	CH#824 (8266.3)
8790.2	USB	PJC	Curacao (Willemstad) R., Curacao	FC	1.0	" "
			(NOAA reports wx broadcasts on request)			
8790.2	USB	SPC42	Gdynia Radio, Poland	FC	10.0	CH#824 (8266.3)
8790.2	USB	9VG65	Singapore Radio, Singapore	FC	10.0	" "
8790.2	USB	HEB28	Berne Radio, Switzerland	FC	10.0	" "
8790.2	USB	WLO	Mobile Radio, AL	FC	10.0	" "
8793.3	USB	KWJ91	Anchorage Radio, AK	FC	1.0	CH#825 (8269.4)
8793.3	USB	ZKR	Rarotonga Radio, Cook Islands	FC	1.5	" "
8793.3	USB	FFL42	St. Lys Radio, France	FC	10.0	" "

kHz	Mode	Call	Location	Service	kW	Remarks
8793.3	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
8793.3	USB	WOM	Miami Radio, FL	FC	10.0	" "
(NOAA reports wx broadcast at 2330)						
8793.3	USB	WMI	Lorain Radio, Ohio	FC	1.0	CH#825 (8269.4)
8796.4	USB	KMV	Agana Radio, Guam	FC	1.0	CH#826 (8272.5)
8796.4	USB	....	Rome Radio 8, Italy	FC	7.0	" "
8796.4	USB	PCG41	Scheveningen Radio, Netherlands	FC	10.0	AMVER CH#826 (8272.5)
8796.4	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	CH#826 (8272.5)
8796.4	USB	WBL	Buffalo Radio, NY	FC	1.0	" "
8796.4	USB	WLC	Rogers City Radio, MI	FC	1.0	" "
8796.4	USB	WMI	Lorain Radio, OH	FC	1.0	" "
8799.5	USB	4X0	Haifa Radio, Israel	FC	10.0	CH#827 (8275.6)
8799.5	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
8800.0	425/50Rc	....	unknown	FX	....	" "
8802.6	USB	PPJ	Juncao Radio, Brazil	FC	1.0	CH#828 (8278.7)
8802.6	USB	PPR	Rio de Janeiro Radio, Brazil	FC	1.0	" "
8802.6	USB	FFL44	St. Lys Radio, France	FC	10.0	" "
8802.6	USB	DAI	Norddeich Radio, GFR	FC	10.0	" "
8805.7	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#829 (8281.8)
8805.7	USB	OHG2	Helsinki Radio, Finland	FC	10.0	" "
8805.7	USB	....	Banjul Radio, Gambia	FC	1.0	" "
8805.7	USB	ZPB	Asuncion Radio, Paraguay	FC	1.0	" "
8805.7	USB	....	Mahina (Papeete) Radio, Tahiti	FC	1.0	AMVER (CH#829) (8281.8)
8805.7	USB	WLO	Mobile Radio, AL	FC	10.0	" "
8805.7	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
8807.1	CW	"E"	unknown	RC	....	Beacon
8808.8	USB	PPR	Rio Radio, Brazil	FC	5.0	CH#830 (8284.9)
8808.8	USB	FFL41	St. Lys Radio, France	FC	10.0	" "
8808.8	USB	H4H7	Honiara Radio, Solomon Islands	FC	0.5	CH#830 (8284.9)
8808.8	USB	WLO	Mobile Radio, AL	FC	10.0	" "
(NOAA reports wx broadcasts at 0000, 1200 & 1800)						
8811.9	USB	....	Falkland Islands Radio	FC	1.0	CH#831 (8288.0)
8811.9	USB	....	Rome Radio 8, Italy	FC	7.0	" "
8811.9	USB	KRV	Ponce Radio, PR	FC	1.0	" "
8811.9	SB	HEB38	Berne Radio, Switzerland	FC	10.0	" "
8811.9	USB	WOM	Miami Radio, FL	FC	10.0	" "
8815.0 - 9040.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
8816.0	USB	PQA5	Porto Alegre Radio, Brazil	FA	0.5	" "
8818.0	FAX	LOK	Orcadas Radio, S. Orkney Is.	FX	0.2	(NOAA reports seasonal (summer) broadcasts at 0300, 1700 & 1915)
8818.0	CW	"ZCB4"	unknown	FX	....	" "
8819.0	USB	....	Krasnodar Radio, USSR	FA	....	VOLMET/RR/YL
8819.5	425/50N	CAI7E	Easter Island	FA	....	" "
8825.0	USB	....	numerous, Argentina nationwide	FA/MA	...	" "
8825.0	USB	....	numerous (ICAO NAT-A)	FA/MA	...	Airports & in-flight across the central part of the North Atlantic Ocean
8825.0			—usually heard are Canaries Radio, Gander, Lisbon, New York, Paramaribo, San Juan, Santa Maria & Shanwick airports			
8828.0	USB	KIS7ø	Anchorage Radio, AK	FA	1.5	VOLMET (25+55)
8828.0	USB	....	Vancouver Aeradio, BC, Canada	FA	....	" "
8828.0	USB	KVM7ø	Honolulu Radio, HI	FA	1.5	VOLMET (00+30)
8828.0	USB	....	Hong Kong Radio, Hong Kong	FA	1.5	TIME SIGNALS & VOLMET (15+45)
8828.0	USB	....	Narita Radio, Tokyo, Japan	FA	1.5	" (10+40)
8828.0	USB	....	Auckland Radio, New Zealand	FA	....	" (20+50)
8828.0	USB	KSF7ø	Oakland Radio, CA	FA	1.5	" (05+35)
8833.0	USB	....	Shannon			VOLMET [05+35]
8833.3	170/ARQ	....	unknown	FX	....	Idling
8834.5	CW	CLP1	Havana, Cuba	FX	....	MINREX
8837.0	USB	....	Ben Gurion Radio, Israel	FA/MA	...	" "
8842.0	CW	COL	Havana Aeradio, Cuba	FA/MA	...	Aeroflot
8842.0b	CW	RFNV	Moscow (Sheremetievo) Radio, USSR	FA	....	VOLMET (10+40)
				FA/MA	...	Aeroflot (Mostly working in-flight to/from Havana)
8843.0	USB	....	numerous (ICAO CEP-5)	FA/MA	...	In-flight & Honolulu or San Francisco airports

kHz	Mode	Call	Location	Service	kW	Remarks
8846.0	USB	....	numerous (ICAO W-CAR)	FA/MA ...		Airports & in-flight covering the western Caribbean—usually heard are the Guatemala City, Havana/Boyeros, Kingston, Miami, Merida, New Orleans, Panama, San Andres, Santiago de Cuba, Tegucigalpa, etc. airports
8846.0	USB	....	numerous (SP-9)	FA/MA ...		Regionally all located to the airports & in-flights among the islands in the South Pacific—filed are Alofi, Apia, (T2U) Funafuti/Tuvalu, Nauru, Noumea, (YJB7007) Port-Vila, Rarotonga, Tarawa, Tongatapu, Wallis, etc. airports
8847.0	USB	....	numerous (ICAO NE-SAM)	FA/MA ...		Airports & in-flight covering northeastern South America—usually heard are the Caracas/Maiquetia, Georgetown & Port of Spain/Piarco, etc. airports
8849.0	USB	....	Beijing Radio, PRC	FA	....	VOLMET
8850.0	425/50N	BBC31	Shanghai, PRC	FX	15.0	
8850.0	425/50R	5AF	Tripoli Airport, Libya	AX	....
8852.0	USB	....	NF VOLMET AFI/SAT Algiers/Dakar/Kano & Khartoum			
8855.0	USB	....	numerous, throughout Alaska	FA/MA ...		
8855.0	USB	....	numerous (ICAO C-SAM, NE-SAM & NW-SAM)	FA/MA		Airports & in-flight covering all of South America—usually heard are Asuncion, Belem, Bogota, Buenos Aires, Brasilia, Campo Grande, Caracas, Cayenne, Georgetown, Iquitos, La Paz, Leticia, Manaus, Montevideo, Paramaribo/Zanderij, Port of Spain/Piarco, Porto Alegre, Porto, Velho, Recife, Rio de Janeiro, Santa Cruz & Sao Paulo, etc. airports
8858.0	USB	....	Frequency available for ICAO AFI	VOLMET		
8861.0	USB	....	numerous (ICAO AFI-1 & SAT-1)	FA/MA ...		Airports & in-flight covering northwestern Africa and equatorial crossing of the South Atlantic Ocean—usually heard are Abidjan, Bamako, Canaries Radio, Casablanca, Dakar, Freetown, Monrovia/Roberts, Niamey, Nouadhibou, Nouakchott, Recife, Salvador, Sal, etc. airports
8864.0	USB	....	numerous (ICAO NAT-B)	FA/MA ...		Airports & in-flight across the North Atlantic Ocean—usually heard are Gander, New York, Reykjavik, Santa Maria & Shanwick airports
8864.0	750/50R	SPK11	Phnom Penh, Kampuchea	FX	....	SPK Nx FF 0400-0500
8867.0	USB	....	numerous (ICAO SP-6 & SP-7)	FA/MA ...		Airports & in-flight across the South Pacific Ocean—usually heard are Auckland, Bora-Bora, Honolulu, Nandi, Pascua/Easter Island, Sydney, Tahiti, etc. airports
8870.0	USB	VFG	Gander Radio, Nfld., Canada	FA	1.0	VOLMET (20+50)
8870.0	USB	WSY70	New York Radio, NY	FA	1.5	VOLMET (05+35)
8873.0	AM	....	unknown	FX	....	NUMBERS
8873.0	USB	....	Douala Radio, Cameroon	FA/MA	1.0	
8873.0	USB	....	Garoua Radio, Cameroon	FA/MA	1.0	
8879.0	USB	....	numerous (ICAO AFI-5/INO-1)	FA/MA ...		Airports & in-flight covering all of the western Indian Ocean—usually heard are Antananarivo, Beira, Bombay, Cocos, Harare, Jo'Burg/Jan Smuts, Lusaka, Mahe, Majunga, Mauritius, Nairobi, Perth, St. Denis/Gillot, etc. airports
8879.0	USB	....	numerous (ICAO NAT-C)	FA/MA ...		Airports & in-flight across the North Atlantic Ocean—usually heard are Gander, New York (JFK), Reykjavik, Santa Maria & Shanwick airports
8888.0	CW	....	unknown	FA	....	Coded Tfc
8888.0	USB	....	YL/RR/met report=all from 9009 here	according to		WDXC10/83
8888.0	USB	....	Salekhard Aeradio	FA	....	Meteo wx (25+55)
8888.0	USB	....	Sverdlovsk Aeradio, USSR	FA	....	Meteo wx (05+35)
8888.0	USB	....	Sykytykvar Aeradio, USSR	FA	....	Meteo wx (00+30)
8888.0	USB	....	Yeniseysk Aeradio, USSR	FA	....	Meteo wx (10+40)
8889.0	USB	....	Kurumoch or UFA	FA	....	Meteo wx (15+45)
8891.0	USB	....	numerous (ICAO NAT-D)	FA/MA ...		Airports & in-flight in the North Atlantic polar regions—usually heard are Bodo, Cambridge Bay, Churchill, Frobisher, Gander, Reykjavik, Sondrestrom & Shanwick airports
8894.0	USB	....	numerous (ICAO AFI-2)	FA/MA ...		Airports & in-flight throughout northwestern Africa—usually heard are Algiers, Kano, N'Djamena, Niamey, Tamanrasset, Tripoli,

kHz	Mode	Call	Location	Service	kW	Remarks
			Tunis, etc. airports			
8896.0	USB	....	Algiers met FF [00+30]			
8897.0	USB	....	numerous (ICAO EA-1)	FA/MA ...		Regionally al-
			located to the airports and in-flights throughout the			
			mainland of China--filed are Beijing, Irkutsk, Kunming			
			Pyongyang, Shanghai, Ulan Bator, Wulumuqi, Zhangzhou,			
			etc. airports			
8898.0	CW	FDC23	Achern, France	FA	....	French AF
8899.0	425/50N	....	unknown	FX	....	ONKYE PSE QAJ
8899.5	500/50N	....	Unknown	FX	....	RYRY
8900.0	USB	....	numerous, Argentina nationwide	FA/MA	...	
8903.0	USB	....	numerous (ICAO AFI-4)	FA/MA	...	Airports & in-
			flight throughout central Africa--usually heard are			
			Accra, Bangui, Brazzaville, Bujumbura, Jo'Burg/Jan			
			Smuts, Kano, Kinshasa, Lagos, Luanda, Lumbumbashi,			
			Lusaka, Nairobi, Niamey, Sao Tome, etc. airports			
8903.0	USB	....	numerous (ICAO CWP-1 & CWP-2)	FA/MA	...	Airports & in-
			flight throughout western Pacific Ocean--usually heard			
			are Guam/Agana, Hong Kong, Honolulu, Manila, Okinawa/			
			Naha, Port Moresby, Pyongyang, Shanghai, Seoul, Taipei,			
			Tokyo, etc. airports			
8903.0	USB		Moscow met 15+45			
8903.0	USB		Riga Met 00+30			
8903.0	USB		Rostov met 10+40			
8910.0	AM	....	ZHEJIANG PBS, Hangzhou, PRC	BC	....	Domestic Service
8906.0	USB	....	numerous (ICAO NAT-A/NAT-B/NAT-C)	FA/MA	...	Airports & in-
			flight covering all North Atlantic Ocean crossing--usual-			
			ly, heard are Bodo, Cambridge Bay, Churchill, Frobisher,			
			Gander, Lisbon, New York (JFK), Reykjavik, San Juan, Santa			
			Maria, Shanwick, Sondrestrom, etc. airports			
8912.0	USB	....	OMAHA 53 wkg a/c & asking if getting near JFK=OMAHA vy strong!			
8912.0	USB	....	OMAHA 52/OMAHA 53/HOMEPLATE/SLINGSHOT SPE1/84			
8912.0	USB	....	seems to say it's RAMPART PF2/8/84 1642			
8912.0	USB	....	unknown			MAC Control Center
8917.0	A3H	....	Baku Aeradio, Azerbaijan SSR	FA	....	Meteo wx/RR (25+55)
8917.0	AM	....	Tbilisi Aeradio, Georgian SSR	FA	....	Meteo wx/RR (00+30)
8917.0	AM	....	Aktyubinsk Aeradio, Kazakh SSR	FA	....	Meteo wx/RR (05+35)
8917.0	A3H	....	Alma Ata Aeradio, USSR	FA	....	Meteo wx/RR (15+45)
8917.0	AM	....	Krasnodar Aeradio, USSR	FA	....	Meteo wx/RR (10+40)
8917.0	USB	....	several, in the USA	FA/MA	...	In-flight Testing
8917.2	425/75R	BXT9	unknown	FX	....	PRC EMBASSY
8918.0	USB	....	numerous (ICAO E-CAR/CAR-A)	FA/MA	...	Airports & in-
			flight covering all of the Caribbean--usually heard are			
			Barranquilla, Bogota, Caracas/Maiquetia, Cayenne, Curacao,			
			Georgetown, Havana/Boyerros, Kingston, Miami, Nassau, Pan-			
			ama, Paramaribo, Port au Prince, San Andres, Santo Domingo/			
			Cauedo, San Juan, etc. airports			
8918.0	USB	....	numerous (ICAO MID-1)	FA/MA	...	Airports & in-
			flight covering the Middle East--usually heard are Amman,			
			Ankara, Baghdad, Bahrain, Basrah, Beirut, Cairo, Damascus,			
			(HZJ) Jeddah, Kuwait, Teheran, etc. airports			
8918.0	CW	"U"	unknown	RC	....	Beacon
8919.0	USB	....	Yuma MCAS, AZ	FA	....	McD-Douglas
8919.6	CW	"J3R"	unknown	FX	....	VVV's//5565.0
8921.0	425/50R	FDC	Metz Air, France	FX	....	French AF
8921.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are
			carriers based in Colombo, Hong Kong, Jakarta,			
			London & Sydney--"Speedbird" etc.			
8924.0	USB	"SYN2"	unknown			EE/VM
8924.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are
			carriers based in Amsterdam, Brussels, (YVL422) Caracas/			
			Maiquetia, Dublin, Lima, Montevideo, Moscow, Port of			
			Spain/Piarco, Prague, Rio de Janeiro, Tel Aviv/Ben			
			Gurion, Warsaw, etc. airports			
8924.0	USB	....	Messaouad N31-39 EO6-08			
8924.0	USB	....	Touggourt Radio (Sidi Mahdi)			
8925.0	USB	"VLB2"	unknown	FX	....	VM (40)
8925.0	USB	"KPA2"	unknown	FX	....
8925.0	USB	"VLB2"	syn voice+5 ltr groups 1842-1900			
8925.0	CW	"J3R"	unknown (hrd at 2130)	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
8927.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Addis Ababa, Dar es Salaam, Dharan, Havana/Boyerros, Jeddah, Las Palmas, (D3N22) Luanda, Merida, Mexico City, Nairobi, Vancouver, etc. airports
8930.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Bangkok, Beijing, Bombay, Budapest, Karachi, (9VA27) Singapore, Stockholm, etc. airports
8931.0	170/ARQ	....	Cairo, Egypt	FX	...	EMBASSY
8933.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Cairo, Djibouti, Jo'burg/Jan Smuts, Mahe, Mauritius, New York, etc. airports
8936.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in (HEE40) Berne, Las Palmas, Madrid, Santo Domingo/Cauadero, etc. airports
8939.0	USB	PRJ652	Recife Radio, Brazil	FA/MA	0.5	
8939.0	USB	PRQ863	Belem Radio, Brazil	FA/MA	0.5	
8939.0	USB	PYD753	Congohas Radio, Brazil	FA/MA	0.5	
8939.0	USB	....	Riga Aeradio, Latvian SSR	FA	....	Meteo wx/RR (00+30)
8939.0	USB	....	Kiev Aeradio, Ukrainian SSR	FA	....	" " (20+50)
8939.0	USB	....	Leningrad Aeradio, USSR	FA	....	" " (05+35)
8939.0	USB	....	Moscow Aeradio, USSR	FA	....	" " (15+45)
8939.0	USB	....	Rostov Aeradio, USSR	FA	....	" " (10+40)
8942.0	USB	....	numerous (ICAO SEA-2)	FA/MA	...	Airports & en-route covering southeastern Asia—usually heard are the Bangkok, Hong Kong, Kuala Lumpur, Manila, Singapore, etc. airports
8942.0	USB	....	Baku Radio, Azerbaijan SSR	FA	....	Meteo/RR (00+30)
8942.0	USB	....	Irkutsk Radio, USSR	FA	....	Meteo/RR (25+55)
8945.0	USB	....	Baghdad (Saddam Intl.) Radio, Iraq	FA	....	VOLMET (00+30)
8945.0	USB	....	Beirut Intl. Radio, Lebanon	FA	....	VOLMET (15+45)
8950.0	425/50R	3RH62	Lasa, Tibet, PRC	FX	1.0	Tfc/Changdu
8951.0	USB	....	numerous (ICAO MID-3)	FA/MA	...	Airports & en-route in the USSR—filed for operation are Aktyubinsk, Alma Ata, Dushambe, Frunze, Kuybishev, Moscow, Tashkent, Uralsk, Yerevan, etc. airports
8952.0	USB	PBW	Amsterdam (Schiphol), Netherlands	FA/MA	1.7	Tfc/Oil Rigs
8955.0	CW	CLP6	unknown	FX	....	Cuban EMBASSY
8957.0	USB	EIP	Shannon Aeradio (Rineanna), Ireland	FA	2.0	VOLMET (cont.)
8960.0	USB	....	Kuybishev (Kurumoch) Aeradio, USSR	FA	....	VOLMET/RR
8963.0	CW	CAK6H	Santiago (Los Cerrillos AB), Chile	FA/MA	1.0	Chilean AF
8964.0	USB	....	numerous, worldwide	FA/MA	...	USAF [May be used for SKY KING broadcasts]
8967.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFA3, Andrews AFB, MD; AIE2, Andersen AFB, Guam; AIF2, Yokota AB, Japan; AKA5, Elemendorf AFB, AK; CUW, Lajes Field, Azores; AGA, Hickam AFB, HI; etc.)
8967.0	USB	....	Ontario Int'l., Ontario, CA	FA	....	Lockheed
8970.0	USB	PBV4	Valkenburg AB, Netherlands	FA/MA	1.0	Dutch Naval Air
8972.0	USB	....	Enkoping, Sweden	FA	....
8972.0	USB	SHA38	Stockholm Radio, Sweden	FA	5.0	
8972.0	USB	....	numerous, worldwide	FA	....	USN [Sometimes referred to as the "KILO" frequency]
8972.0	.....	....	unknown	...	....
8972.0	USB	....	unknown	...	....
8975.0	USB	....	numerous, in Australasia	FA/MA	...	RAAF/RNZAF (Includes: AXD, "Air Force Laverton", Vic.; AXF, "Air Force Sydney", NSW; AXH, "Air Force Townsville", Qld.; AXI, "Air Force Darwin", NT; AXJ, "Air Force Perth", WA; AXK, "Air Force Sale", NSW; AXS, "Air Force Learmouth", WA; AXT, "Air Force Edinburgh", SA—all Australia; ZKW, RNZAF, Christchurch; ZKY, RNZAF, Auckland; ZKY, RNZAF, Palmerston North—all New Zealand & MRX, Butterworth, Malaysia) [RAAF a/c frequently used callsign "Shepherd" or "Striker". RNZAF a/c frequently used callsign "Kiwi"—both followed by numbers]
8976.0	USB	....	numerous, throughout Australia	FA/MA	...	RAAF
8977.5	850/...e	....	numerous, worldwide	FX	....	USN
8980.0	USB	....	numerous, mostly North America	FA/MA	...	USN/USCG (Primary frequency for communicating with helicopters)
8980.0	USB	....	Clatsop Apt., Astoria, OR	FA	....	USCG
8980.0	USB	....	Ellington AFB, Houston, TX	FA	....	USCG

kHz	Mode	Call	Location	Service	kW	Remarks
8980.0	USB	....	Port Angeles CGAS, WA	FA	....	USCG
8981.0	USB	AGAR21	unknown			
8984.0	USB	....	Berlin (Schoenefeld)			
8984.0	USB	....	Kingston Coast Radio, Jamaica	FA/FC	...	
8984.0	USB	....	numerous, mostly North America	FA/MA/MS	..	USCG (Primary frequency for communications between ships & aircraft) Includes such ground stations as: Lindbergh Fld., San Diego, CA; San Francisco Int'l., CA; Opa Locka CGAS, Otis AS (Falmouth), MA; Corpus Christi CGAS, TX; etc. [Available to both the USAF & USN]
8988.0	CW	"A4I"	unknown	FX	....	VVV's
8989.0	CW	ONY77	Brussels National Apt., Belgium	FA/MA	2.0	Belgium AF
8989.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFE8, MacDill AFB, FL; AFI2, McClellan AFB, CA; AIE2, Andersen AFB, Guam; AKA5, Elemendorf AFB, AK; etc.)
8990.0	USB	....	Novosibirsk (Tolmachevo), USSR	FA	....	VOLMET/RR/YL (cont.)
8990.0	USB		Dhahran			
8990.0	USB					ARCHITECT 0800-1800 M-F
8992.9	CW	6WW	Dakar Naval, Senegal	FA	....	French Naval Air
8993.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFE8, MacDill AFB, FL; AFH3, Albrook AFS, Panama; AGA8, Clark AB, Philippines; AFE81, Ascension Island; etc.) [May be used for MAINSAIL & SKY KING broadcasts]
8993.0	USB	....	TEAL a/c during hurricane			
8997.0	USB	....	numerous, New Zealand & Antarctica	FA/MA	..	NSF/USN (Includes: NBY, Bird Station; NGD, McMurdo Station; NPX, South Pole Station; NQU, Siple Station; etc., all Antarctica; plus, Williams Field & ZLK, Christchurch, New Zealand)
8997.0	USB	....	unknown			
8997.0	USB	....	unknown has AC hum seems to says it's SKY KING!!			also MXD4
8997.0	USB	....	NQU, NPX & KIWI a/c wkg McMurdo			
8998.5	850/100N	NAU	NAVCOMSTA San Juan, PR	FX	1.0	USN
9000.0	CW	↑FUM	Papeete (Mahina) Naval, Tahiti	FX	....	French Navy
9000.0	850/....	....	unknown	FX	....
9001.0	850/....	....	unknown	FX	....
9002.0	USB	NWC	NAVCOMMSTA NW Cape, WA, Australia	FA	2.5	USN
9002.0	USB	....	numerous, worldwide	FA/MA	...	USN
9003.2	CW	WLO	unknown			
9006.0	USB	AFE71	"Cape Radio", Canaveral AFS, FL	FX	45.0	USAF/NASA
9006.0	USB	....	Space Shuttle Launch Support			(Also working on this channel are "Orion Control", "Riot Control", etc.)
9009.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	300.0	External Service
9009.0	BBE	....	numerous, worldwide	FA/MA	...	USAF
9009.8	USB	....	unknown	FX	....	Net/SS
9010.0	FAX	....	unknown	FA	....
9010.0	850/....	....	unknown	FX	....
9011.0	USB	↑AJE	Croughton (Barford), England	FA/MA	...	USAF
9012.0	850/....	....	unknown	FX	....
9014.0	USB	AXI	"Air Force Darwin", NT, Australia	FA/MA	0.5	RAAF
9014.0	CW	LFP	Rogaland Radio, Norway	FC	2.0	
9014.0	USB	AFC37	Scott AFB, IL	FA/MA	...	USAF
9014.0	USB	AFL	Loring AFB, ME	FA/MA	...	USAF
9014.0	USB	....	RAYMOND 7 -- Cannon AFB, NM	FA	....	USAF
			(This frequency may also be used by the USN)			
9015.0	USB	....	unknown			
9017.0	USB	↑MLQ21	Croughton (Barford), England	FA	3.0	RAF
9018.0	850/50R	↑RPHIS	Noumea Naval, New Caledonia	FX	....	French Navy
9018.0	USB	....	"AIR FORCE TWO" in flight	MA	....	USAF
9018.0	850/....	....	unknown	FX	....	Idling
9020.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	Domestic Service
9020.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF (Also heard heard of this frequency during the hurricane season are in-flight aircraft and KJY74, "Miami Monitor") [Occasional use by AHF3, Albrook AB, Panama; AFL, Loring AFB, ME & AFI2, McClellan AFB, CA; etc.]
9022.0	AM	....	RADIO TEHERAN, Iran	BC	350.0	External Service [Beamed to Europe & the Middle East 1630-0630]
9023.0	CW	JJG8	Atsugi Ichihar, Japan	FA/MA	...	JSDA
9023.0	USB	....	several, USA nationwide	FA/MA	...	USAF/SAC

kHz	Mode	Call	Location	Service	kW	Remarks
9025.0	CW	†MQY	Pitreavie Castle, Scotland	FA	1.0	RAF
9026.0	USB	....	Airports & in-flight	FA/MA	...	AIR PACIFIC
9027.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Used for SKY KING broadcasts—some code names for been called SAC "ROMEO" frequency)
9030.0	850/....	....	unknown			
9031.1	170/....	....	unknown	FA	....
9032.0	USB	....	ARCHITECT, Upavon AB, England	FA/MA	1.0	RAF/Strike Command
9032.0	USB	....	CELEBRITY (brdcast at 00)	FA	....	RAF
9032.0	USB	....	numerous, mostly Pacific Ocean area	FA/MA	..	USN
9033.0	LSB	NGR	NAVCOMMSTA Nea Makri, Greece	FA	1.0	USN
9033.8	850/....	....	numerous, worldwide	FX	....	USN
9035.0	USB	NGR	Nea Makri Naval, Greece	FX	....	USN
9035.0	USB	....	unknown	FX	....	Net
9036.0	FlB	....	Nicosia, Cyprus	FX	....	Nx Turkist
9036.0	USB	....	numerous, mostly within England	FA/MA	...	RAF
9036.0	USB	....	numerous, around USA coastline	FA/MA	...	USN
9038.0	850/....	....	numerous, worldwide	FX	....	USN

9040.0 - 9500.0 kHz — FIXED SERVICE (Worldwide)

9040.0	USB	PVE692	Rio de Janeiro, Brazil	FX	0.1	Net Control
9040.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
9040.5	CW	†KNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
9040.6	USB	....	several, off NE Australian coast	FX	1.0	Oil Rigs
9041.0	425/50R	5YE	Nairobi, Kenya	FX	10.0	Meteo
9041.0	425/50R	TODT	Beirut Aeradio, Lebanon	FX	1.0	
9041.0	CW	LCP	Oslo (Jeloey), Norway	FX	....
9041.0	USB	....	CREEK RIVER clg DAISY CHAIN 1322 on FlB			
9041.4	850/50N	CSE4	Lajes Field, Azores	FX	3.0	Tfc/Monsanto
9041.8	425/75N	....	unid nx mentioning USSR			
9042.0	CW	....	unknown, repeats 2T92T IO6 2T92T IO6			
9042.0	CW	....	unknown	FX	....	Coded Tfc
9043.0	USB	....	Cape Canaveral, FL	FX	....	USAF/NASA
9043.1	CW	"K"	unknown	RC	....	Beacon
9043.4	250/....	....	unknown	FX	....
9044.0	850/50N	GHH	Jamestown, St. Helena Island	FX	1.0	Tfc/Kano/0200
9044.2	FAX	GHH	Jamestown, St. Helena Island	FX	1.0	Meteo
9045.0	LSB	....	numerous, Argentina nationwide	FX	....	Net
9045.0	425/50R	BAS75	Beijing, PRC	FX	10.0	Tfc/Karachi
9045.0	425/75N	CME319	Havana, Cuba	FX	1.0	Czech EMBASSY
9045.0	425/50N	YOJ21	Bucharest, Rumania	FX	15.0	AGERPRES
[Non-directional]						
9045.5	LSB	TJF9Ø	Douala, Cameroon	FX	2.0	Telcom
9046.0	USB	VNV52	Sydney (Doonside), NSW, Australia	FX	3.0	Tfc/Casey
9046.0	*425/50R	ONN39	Brussels, Belgium	FX	1.0	Hungarian EMBASSY
9046.0	*425/50R	SOJ2Ø4	Warsaw, Poland	FX	20.0	PAP
9046.0	CW	....	unknown	FX	....	Coded Tfc
9046.2	650/....	....	unknown	FX	....	Idling
9046.3	475/50N	....	unknown	FX	....	Idling
9047.0	USB	VL6NX	Wanneroo, WA, Australia	FX	1.0	
9047.5	425/50R	Y2J	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Shanghai
9048.0	CW	†....	Ankara, Turkey	FX	1.0	EMBASSY
9048.2	LSB	VNV52	Sydney (Doonside) NSW, Australia	FX	3.0	Telcom/VM/Feeder
9050.0	425/50R	BZK29	Wulumuqi, PRC	FX	40.0	XNA
[Beamed to South America]						
9050.0	CW	NMO	COMMSTA Honolulu, HI	FX	10.0	USCG/NUKO/NERK/
Wx broadcasts at 0100, 0400, 0700, 1300 & 2000						
9050.0	425/50R	YOJ3Ø	Bucharest (Urziceni), Rumania	FX	2.0	Tfc
9050.0	850/....	....	numerous, worldwide	FX	....	USN
9051.5	USB	†F209Ø	Papeete, Tahiti	FX	20.0	Telcom
9052.0	425/50R	YAV23	Kabul, Afghanistan	FX	....	[AH] Tfc/RDG23
9052.8	350/50N	ISY9Ø	Rome (Torrenova), Italy	FX	20.0	ANSA Nx EE 1500-1600 (Neither EE/FF newscasts on Sundays) Nx FF 1600-1700 (Not on Sundays) Nx EE 1900-2000 (Sundays only) 1830-1900 Nx FF 1800-1900 2000-2100
[Non-directional]						
9053.0	425/50N	Y2V8	Berlin (Nauen), GDR	FX	20.0	ADN

kHz	Mode	Call	Location	Service	kW	Remarks
9056.0	425/50N	....	unknown	FX	....	RYRY
9057.0	CW	OVG	Frederikshaven Naval, Denmark	FX	....	Danish Marine
9057.0	USB	....	numerous, worldwide	FX	....	USAF (Includes: AFC24, Westover AFB, MA; AFF50. Altus AFB, OK; AFH39, March AFB, CA; AFX, Barksdale AFB, LA; AGA2, Hickam AFB, HI; AIE, Andersen AFB, Guam; AKE, Eielson, AFB, AK; etc.)
9057.6	CW	"U"	unknown	RC	....	Beacon
9059.0	425/100R	....	unknown	FX	....	related to 9059.4
9059.4	425/50R	Y7A	...	FX	....
9060.0	USB	....	"Trenton Military", Ont., Canada	FX	....	RCAF
9060.0	425/75R	CLN241	Havana (Bauta), Cuba	FX	20.0	
9060.0	USB	....	unknown, possibly in Mexico	FX	....	Net
9060.0	CW	AQP9	Karachi Naval Radio, Pakistan	FX	10.0	Pakistan Navy
9060.0	1000/50R	RCR74	Khabarovsk, USSR	FX	5.0	Meteo
9060.0	FAX	RTA21	Novosibirsk, USSR	FX	15.0	Meteo
9060.0	850/...e	....	unknown	FX	....
9060.5	475/50N	VNA66	Hanoi, Vietnam	FX	....
9061.2	350/75R	....	unknown	....	....	EMBASSY
9062.0	USB	CME9	Havana, Cuba	FX	2.0	GDR EMBASSY
9062.0	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
9062.0	425/50R	ETI60	Addis Ababa, Ethiopia	FX	1.0	GDR EMBASSY
9062.0	425/50R	Y7B33	Helsinki, Finland	FX	....	GDR EMBASSY
9062.0	425/50R	Y7A36	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
9062.0	425/50R	Y7A36	Berlin (Nauen), GDR	FX	20.0	EMBASSY
9062.0	425/50R	JYA43	Amman, Jordan	FX	3.0	
9062.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
9062.5	CW	....	unknown	FX	....	hand-keying
9064.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	15.0	Domestic Service 2000-1730
9065.0	LSB	GYU	Gibraltar Naval	FX	....	British Navy
9065.0	CW	IRR20	Rome Naval, Italy	FX	15.0	Italian Navy
[Reported Nx in II at 0300, 1800 & 2230]						
9065.0	R3E	9VF47	Singapore	FX	7.0	
9065.0	425/50R	RHH73	Kuibyshev, USSR	FX	5.0	Meteo
9065.0	USB	....	unknown	...	....	weak EE
9065.0	USB	....	unknown	...	....	NET
9065.0	USB	....	unknown	...	....
9065.0	USB	....	unknown	...	....
9066.9	170/50N	....	unknown	...	....	EE Tfc
9066.9	170/50N	....	unknown	...	....	SSB Tfc
9066.9	170/50N	PJU04	seems to be FM JURONG	FX	....	Oil Rigs
9066.9	170/50N	....	[JUP] channel ID			
9068.5	425/50R	YOJ40	Bucharest (Oradea), Rumania	FX	2.0	Tfc/Prague
9068.5	850/50N	SDN5	Stockholm (Varberg), Sweden	FX	5.0	Tfc/Africa
9070.0	850/50Ne	GYA	London (Northwood) Naval, England	FX	5.0	British Navy
9070.0	425/50R	6VY50	Dakar, Senegal	FX	....
9070.0	425/50R	....	unknown, possibly Dakar	FX	....	garbled text
9070.0	425/...e	....	unknown	FX	....	fully encrypted
9072.0	CW	....	unknown, possibly in Cuba	FX	....	hand keyed
9072.0	850/50N	ZEN40	Cape D'aguilar, Hong Kong	FX	10.0	AFP
9072.5	425/50N	TL050	Bangui Aeradio, Central African Rep.	AX	...	[LKA] Tfc/ Douala
9073.0	USB	....	Aleutian LORAN Network	FX	....	USCG (Includes: NMJ, Attu; NRW2, St. Paul & NRW3, Pt. Clarence--all AK) [Alt: 12,150.0]
9074.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/4
9075.0	850/75N	↑NHG	Palmer Station, Antarctica	FX	....	USN
9075.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc (Includes: VH2FYB, Premer, NSW; VH3AMV, Mansfield, Vic.; VH4CKP, Bowen, Qld.; VH5IR, Mount Gambier, SA; VH6AHS, VMBKO, Katherine, NT; etc.)
9075.0	850/50R	CVI90	Montevideo, Uruguay	FX	4.0	EFE Nx SS 1200-1500 1900-2200
9076.0	425/...e	....	unknown	FX	....	Idling
9076.5	425/50N	↑GPR29	London (Oxford), England	FX	75.0	REUTERS
9077.0	USB	....	several, Australia nationwide	FX	....	Commercial Tfc
9077.0	USB	VH5GJ	Adelaide clg Kangeroo 4 0617			
9078.0	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
9078.0	425/50R	Y7A37	Berlin (Konigs Wusterhausen), GDR	FX	5.0	MFA
9080.0	USB	VXV25	Fort Albany, Ont., Canada	FX	0.1	Telcom Net Control
9080.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Domestic Service

kHz	Mode	Call	Location	Service	kW	Remarks
9081.5	425/50R	CLN244	Havana (Bauta), Cuba	FX	100.0	Tfc/Europe
9082.0	CW	FDY9	somewhere in France	FX	....	French AF
9082.0	425/50N	IRG20	Rome (Torrenova), Italy	FX	10.0	ANSA Nx FF 1800-1900 Nx EE 1900-2000 Nx FF 2000-2100
			(Not on Sundays)	[Beamed to Northwest Africa]		
9082.0	CW	....	unknown	FX	....	VVV's
9082.0	LSB	....	unknown	....	....
9083.5	LSB	†CNR25	Rabat, Morocco	FX	20.0	Telcom
9085.0	850/....e	....	numerous, worldwide	FX	....	USN
9085.9	CW	†FDC4	Reims Air, France	FX	....	French AF
9085.9	CW	†FDC7	Strasbourg Air, France	FX	....	" "
9085.9	CW	†FDY4	Orleans Air, France	FX	....	" "
9086.0	*425/50R	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
9086.0	425/50N	Y7A38	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
9086.0	USB	5YE	Nairobi, Kenya	FX	....	Meteo (NOAA reports wx forecast at 1240)
9086.0	AM	....	unknown	FX	....	NUMBERS/YL/SS/5
9087.0	425/50R	BZ39	Wulumuqi, PRC	FX	10.5	XNA
9087.0	425/50R	SOJ208	Warsaw, Poland	FX	35.0	PAP
9087.0	425/45R	....	unknown	FX	....	RVRY
9088.0	F1B	ONN41	Brussels, Belgium	FX	1.0	Benin EMBASSY
9088.5	425/50N	EEQ9	Palma	FX	....	Police (CG)
9090.0	850/50R	LRN41	Buenos Aires, Argentina	FX	1.0	TELAM Nx SS
				1000-0300		[Non-directional]
9090.0	F7B	CLN245	Havana (Bauta), Cuba	FX	30.0	Tfc/Berlin
9090.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
9090.0	CW	IDR4	Rome Naval, Italy	FX	15.0	Italian Navy
9090.0	CW	EEQ	Madrid, Spain	FX	1.0	Police Net Control
9092.0	850/50R	BAQ88	Beijing, PRC	FX	5.0	
9093.0	B8E	YAF	Kabul, Afghanistan	FX	3.0	Telcom/Tfc
9093.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
9094.0	850/75N	†CTV29	Monsanto Naval, Portugal	FX	3.0	[RPFN] Port. Navy
9095.0	USB	ZKS	Rarotonga, Cook Islands	FX	1.0	Net Control
						[Alt: 9368.0]
9095.0	850/....e	....	numerous, worldwide	FX	....	USN
9095.0	CW	9EA73	undoubtedly in Ethiopia	FX	....	Russian Military
9095.0	CW	9EB88	undoubtedly in Ethiopia	FX	....	Russian Military
9095.1	170/ARQ	....	unknown	FX	....
9096.0	*850/50N	CTW29	Monsanto Naval, Portugal	FX	1.0	[RPFN] Port. Navy
9097.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
9099.0	250/....e	....	unknown	FX	....
9100.0	B8E	†....	numerous, throughout Angola	FX	1.0	Police
9100.0	425/50R	CLN246	Havana (Bauta), Cuba	FX	30.0	
9100.0	850/75Re	FUG	La Regine Naval, France	FX	....	French Navy
9100.0	850/....e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
9100.0	F1B	SPK14	Phnom Penh, Kampuchea	FX	....	SPK Nx FF 0100-0300
			(Not on Sundays)	[Feed to "KPL", Vientiane, Laos]		
9100.0	850/50N	9VE29	Singapore Aeradio	AX	3.0	Tfc/Bangkok
9100.0	850/....e	....	unknown	FX	....
9101.0	USB	CNR80	Rabat, Morocco	FX	20.0	Telcom/Tfc
9102.0	850/75Rc	RHP8	Gomel, White Russian SSR	FX	60.0	
9103.0	LSB	....	Daventry, England	FX	30.0	BBC Feeder
9103.0	500/75Nc	....	unknown	FX	....
9105.0	CW	XJD48	Ottawa (Almonte), Ont., Canada	FX	1.0	INTERPOL
9105.0	USB	....	numerous, throughout Canada	FX	....	RCMP Backup Net
9105.0	425/50R	BAW39	Beijing, PRC	FX	10.0	XNA
						[Beamed to Pakistan]
9105.0	850/....e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	5.0	USN
9105.0	CW	XAX200	Mexico City, DF, Mexico	FX	....	clg XAY255
9105.0	850/50R	RCF44	Moscow, USSR	FX	20.0	
9105.0	F8B	RNG38	Kuibyshev, USSR	FX	25.0	
9105.0	425/75R	....	unknown	...	....
9105.0	850/75R	....	unknown	...	....
9106.0	USB	ZBH22	Bird Island, South Georgia	FX	....	BAS
9106.0	*USB	ZHF45	Rothera Base, Adelaide Island	FX	0.3	BAS
9106.0	*USB	ZHF44	Faraday Base, Antarctica	FX	0.3	BAS
9106.0	CW	VSD	Halley Base, Antarctica	FX	0.5	BAS
9106.0	USB	†ZBH	Grytviken, So. Georgia Islands	FX	0.3	BAS

kHz	Mode	Call	Location	Service	kW	Remarks
9106.0	*USB	ZHF33	Signy Base, S. Orkney Islands	FX	0.3	BAS
9106.5	850/75R	AME3	Madrid Radionaval, Spain	FX	1.0	Spanish Navy
9107.5	F7B	REC7	Kharkov, Ukrainian SSR	FX	60.0	
9108.5	850/50N	5NK32	Kano Aeradio, Nigeria	AX	3.5	Tfc/Brazzaville
9108.5	USB	.....	throughout South Korea	FX	....	Police
9109.0	425/50R	HGG21	Budapest, Hungary	FX	15.0	Tfc
9109.9	*LSB	RDZ77	Moscow, USSR	FX	15.0	Telcom
9110.0	425/50R	†JYN	Amman Aeradio, Jordan	FX	....
9110.0	425/50N	ARA	Karachi, Pakistan	FX	3.0	Meteo 1500-0140
9110.0	425/50R	RDZ77	Moscow, USSR	FX	15.0	TASS Nx EE 1415-2400
(Fall/Winter Schedule) Beamed to Europe						
9110.0	170/75R	NLKL	usual	FX	....	US (wkg NMG)
9110.0	500/....e	....	unknown	FX	....
9111.0	CW	J5G	Bissau Aeradio, Guinea-Bissau	AX	3.0	Aero Tfc
9111.0	FAX	....	unknown	FX	....
9111.1	CW	D4B44	Sal Aeradio, Cape Verde	AX	3.0	Aero Tfc
9112.0	850/....e	....	unknown	FX	....
9112.1	250/50N	SNN299	Warsaw, Poland	FX	....	EMBASSY
9112.5	B8E	†JBE39	Tokyo, Japan	FX	15.0	Telcom/Taipei
9114.0	425/50N	D2U3	Luanda, Angola	FX	....
9114.0	425/50N	HGG31	Budapest, Hungary	FX	15.0	MTI Nx EE 1000-1100
(Not on Sundays) [Beamed to Southern Europe & North Africa]						
(Daily) EE 1650-1830						
[Beamed to Southern Europe & North Africa]						
9115.0	USB	LRB91	Buenos Aires (G. Pacheco), Argentina	FX	10.0	Telcom
9115.0	850/50N	VLS3	Sydney Aeradio, NSW, Australia	AX	....
9115.0	425/50R	BAK39	Beijing, PRC	FX	50.0	XNA
[Beamed to South America]						
9115.0	425/50R	BZC75	Wulumuqi, PRC	FX	1.0	Meteo
9115.0	425/....e	....	unknown	FX	....	Idling
9116.0	USB	....	Papeete Radio, Tahiti	AX	0.2	Net Control
9117.1	225/75N	....	....	FX	....	Coded Tfc
9118.0	850/50R	MEG	Rheindahlen, GFR	FX	....	BAOR
9118.5	USB	XYQ3	Mandalay, Burma	FX	0.5	Telcom/Rangoon
9118.5	FAX	....	unknown	FX	....
9118.8	CW	....	unknown, probably in Central America	FX	....	Hand Keying
9119.6	425/50N	GPN29	London (Oxford), England	FX	75.0	REUTERS
[Beamed to Africa]						
9119.9	525/100Rc	....	unknown	FX	....
9120.4	CW	....	unknown			pips
9120.5	*USB	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
9121.0	USB	....	unknown	FX	....	Telcom/Net/SS
9122.1	425/50R	BXT4	unknown	FX	....	RYRY
9122.5	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
9122.5	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
9123.0	850/....e	....	unknown	FX	....
9123.2	CW	....	unknown	FX	....	Coded Tfc
9124.1	475/50R	HVQ8	Hanoi, Vietnam	FX	....	VNA Nx VV 0100-1600
[Directed to "GPX", Ho Chi Minh City, Vietnam; "HMB", Phnom Penh, Kampuchea; "KPO", Vientiane, Laos & "KPX", Da Nang, Vietnam] (Transmissions appear to be parallel to 8135.6)						
9125.0	850/....e	....	unknown	FX	....	Idling
9125.6	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC--plus transportables) [Alt: 7528.6 & 10,136.6]
[May be referred to as the BRAVO 27 frequency]						
9125.6	USB	....	Pacific Area Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam--plus transportables) [Alt: 7528.6 & 10,166.6]
9127.0	170/75R	NMC	COMMSTA San Francisco, CA	FX	....	USCG
9129.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF/Tfc Osan
9129.0	USB	....	unknown, probably Peru			SS telcom
9130.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
9130.0	USB	VH60T	Perth, WA, Australia	FX	0.1	Net Control
9130.0	F1B	SUA36	unknown			
9130.0	F7B	RGI29	Moscow, USSR	FX	15.0	
9130.0	50/75Nc	....	unknown	FX	....
9130.0	550/50N	....	unknown	FX	....	Text/AA

kHz	Mode	Call	Location	Service	kW	Remarks
9132.0	170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	1.0	INTERPOL
9132.0	25/50N	LZU7	Sofia, Bulgaria	FX	....	RYRY
9132.0	USB	....	unknown, AGAR 07, ARIA 01 & ORION 1	wkg	CAPE	RADIO
9132.0	USB	....	unknown "BIC"/"BH38"/GULL 01/ etc.			
9132.5	950/....e	....	unknown	FX	....
9132.9	525/50N	ZAA6	Tirana, Albania	FX	....	ATA Nx EE 0730-081! 0900-1030
9135.0	B7W	CME396	Havana, Cuba	FX	0.5	British EMBASSY
9135.0	FAX	JBK4	Tokyo, Japan	FX	5.0	
9136.0	425/50N	TJK	Douala Aeradio, Cameroon	AX	....	[KLA] Tfc/Yarounde
9137.1	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
9138.5	USB	XYQ65	Mandalay, Burma	FX	0.5	Telcom/Myitkyina
9140.0	425/50R	Y7A39	Berlin (Nauen), GDR	FX	20.0	EMBASSY
9140.0	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
9140.0	425/50R	RCV26	Moscow, USSR	FX	20.0	
9140.0	LSB	ROW25	Moscow, USSR	FX	15.0	R. Moscow Feeder
9140.0	FAX	....	unknown	FX	....
9142.2	500/50N	9MY58	Kuala Lumpur, Malaysia	FX	5.0	[WMKK] Meteo
9143.1	170/75Rc	....	unknown	FX	....
9144.0	850/50N	9MY9	Kuala Lumpur, Malaysia	FX	5.0	CQ CQ
9144.1	425/....e	....	unknown	FX	....	Idling
9144.5	425/50R	Y7B72	Paris, France	FX	....	GDR EMBASSY
9145.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
9145.0	CW	†RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
9145.0	SSB	....	Moscow	FX	....	R. Moscow Feeder
9145.0	F1B	RDZ76	unknown			
9147.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
9147.3	850/50Rc	....	unknown	FX	....
9148.0	475/50R	TLO	Bangui Aeradio, Central African Rep.	AX	....	[LKA]
9148.5	USB	V322	Belize City, Belize	FX	1.0	Meteo/Tfc/FL
9150.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
9150.0	425/50R	LZY7	Warsaw, Poland	FX	1.0	Bulgarian EMBASSY
9150.0	FAX	....	Alma Ata, USSR	FX	15.0	Meteo/Nx
9150.0	FAX	RCH73	Tashkent, Uzbek SSR	FX	5.0	Meteo
9150.0	425/50R	RCH73	" " "	FX	5.0	Meteo
9153.0	225/75Rc	....	unknown, probably in the Far East	FX	....
9154.0	900/50N	D4B	Sal Aeradio, Cape Verde	AX	2.0	[SLA] Tfc/Lisbon
9155.0	B7W	VEV	Valcartier, PQ, Canada	FX	1.8	C. Forces
9155.0	B9W	FPJ5	Paris (St. Assise), France	FX	20.0	
9157.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
9157.0	425/75N	4UN	Jerusalem, Israel	FX	1.0	UNTSO
9157.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
9157.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
9157.5	FAX	WLO	Mobile, AL	FX	....	NOAA Tests
9159.5	425/....e	....	unknown	FX	....	Idling
9160.0	CW	BFP99	Xian, PRC	FX	10.0	Meteo
9160.0	850/50R	RCF45	Moscow, USSR	FX	20.0	
9161.0	425/75R	SNN299	Warsaw, Poland	FX	....	EMBASSY
9163.3	CW	....	unknown	FX	....	VVV's
9164.0	425/50R	SOJ216	Warsaw, Poland	FX	20.0	
9165.0	CW	ONN38	Brussels, Belgium	FX	0.1	Swiss EMBASSY
9166.0	LSB	CXL23	Montevideo, Uruguay	FX	....
9166.0	425/....e	....	unknown	FX	....
9166.9	B8E	†LDN2	Oslo (Jeloey), Norway	FX	10.0	Telcom/Tfc
9167.5	425/100N	HZN	Jeddah, Saudi Arabia	FX	10.0	Meteo
9168.0	425/50R	YOJ41	Bucharest, Rumania	FX	2.0	[BBT] Tfc/ Beirut
9168.0	250/....e	....	unknown	FX	....
9168.1	CW	....	unknown	FX	....	Coded Tfc
9169.0	CW	COY895	Havana Naval, Cuba	FX	....	Cuban Navy
9170.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	10.0	Taiwan Service
9170.0	425/75R	....	Havana (Bauta), Cuba	FX	30.0	Tfc/Berlin, GDR
9170.0	170/50N	....	Madrid, Spain	FX	....	Net (Guardia?)
9170.0	USB	†WMA29	San Francisco (Dixon), CA	FX	30.0	Telcom
9170.6	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
9171.0	425/50R	BAG49	Beijing, PRC	FX	30.0	XNA
[Beamed to Europe]						
9172.6	LSB	....	unknown			
9175.0	425/50R	†ULV	Moscow, USSR	FX	25.0	
9175.5	AM	....	unknown, but strong	....	....	AFSK
9175.5	AM	....	unknown, but very strong			AFSK

kHz	Mode	Call	Location	Service	kW	Remarks
9176.0	B7W	VDD	Debert, NS. Canada	FX	1.0	C. Forces
9176.0	325/...e	....	unknown, probably in Far East	FX	....
9177.0	850/50N	MEG	Rheindahlen, GFR	FX	....	BAOR
9181.0	CW	↑FUM	Papeete Mahina Naval, Tahiti	FX	10.0	French Navy
9181.9	525/...e	....	unknown	FX	....
9181.9	650/50R	....	unknown	FX	....	Meteo or 5 LTR groups
9182.5	425/50R	RNR76	Rostov na Donu, USSR	FX	1.0	Meteo
9183.5	USB	↑KOG69	unknown	FX	....	FBI
9184.0	170/50R	VTP28	Vishakhapatnam Naval, India	FX	....	Indian Navy
9184.2	425/50	TLO	Bangui, Central African Republic	FX	....
9185.0	B9W	....	unknown, probably in Japan	FX	....
9185.0	500/...e	....	unknown	FX	....
9185.5	B9W	....	unknown	FX	....	MULCAST
9189.0	LSB	....	unknown, strong AM			
9189.9	425/45R	....	unknown (similar to 20,357)	FX	....	Idling (some msgs)
9190.0	950/50R	RDZ75	Moscow, USSR	FX	20.0	Meteo
9192.0	850/50R	SOJ219	Warsaw, Poland	FX	20.0	
9192.0	850/50N	....	unknown		....
9194.0	850/50N	BPJ33	Beijing, PRC	FX	10.0	
9195.0	425/50N	BAA23	Tianjin, PRC	FX	2.0	Meteo
9195.0	CW	↑ORG	unknown	FX	....	clg CMX
9196.0	425/50N	9HY9	Cyclops, Malta	FX	5.0	DW Talkback
9196.0	CW	RYZ	Komsomolskamur, USSR	FX	....	Tfc
9196.2	675/50N	....	Brazzaville Aeradio, Congo	FX	....	[FOA] Tfc/Bangui
9197.0	USB	....	unknown	FX	....	Net/unk language
9197.5	375/75R	A9M41	Manama, Bahrain	FX	3.5	WAKH Nx AA 0500-1500 Nx EE 1500-1700 [Non-directional]
9199.2	425/50R	FSB56	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
9200.0	170/50N	ONAZ0	Brussels, Belgium	FX	3.0	INTERPOL
9200.0	170/50N	FSB56	Paris (St. Martin Abbat), France	FX	2.5	"
9200.0	CW	JPA60	Nagoya (Komaki), Japan	FX	10.0	"
9200.0	170/ARQ	DEB	Wiesbaden, GFR	FX	5.0	"
9200.0	50/75R	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
9200.0	CW	LJP29	Oslo, Norway	FX	0.5	INTERPOL (Also occasionally using this frequency are: AYA, Buenos Aires; GMP, London; HEP92, Zurich; PDB2, Utrecht; SHX, Stockholm; 5BP5, Nicosia & 50P25, Lagos)
9200.0	CW	ZBP	Pitcairn Island	FX	0.7	Tfc/New Zealand
9200.0	CW	....	Seoul, South Korea	FX	5.0	INTERPOL
9200.0	LSB	RRRT	Khabarovsk, USSR	FX	15.0	Feeder for MAYAK
9200.1	CW	....	unknown, probably in Mexico	FX	....
9202.0	FAX	GFE22	Bracknell, England	FX	5.0	Meteo/Reported seasonal ice broadcast at 1413
9202.5	850/50R	VTP28	Vishakhapatnam Naval, India	FX	....	Indian Navy
9205.0	850/50N	↑GYA	London (Northwood) Naval, England	FX	40.0	British Navy
9205.0	USB	IBA	Naples, Italy	FX	....	NATO
9205.0	LSB	FJD291	Papeete, Tahiti	FX	0.1	Net/Meteo
9205.0	425/...e	....	unknown	FX	....
9205.5	USB	TYK92	Cotonou, Benin	FX	6.0	Telcom/Paris
9207.0	170/50N	SUA	Niamey, Niger	FX	....
9207.0	USB	....	net of stations		....
9207.2	170/75R	....	numerous, USA nationwide	FX	....	USN/MARS
9207.6	425/50R	CV192	Montevideo, Uruguay	FX	10.0	AP Nx SS
9210.0	USB	↑....	Lyndhurst, Vic., Australia	FX	....	R. Australia Feeder
9210.0	425/50R	BUA51	Wulumuqi, PRC	FX	5.0	XNA
9210.0	170/50N	CLN251	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
9210.0	425/75Rc	RME20	Moscow, USSR	FX	15.0	APN Nx RR
9211.0	USB	....	unknown	FX	....	Oil Rigs
9213.0	425/50R	↑STK	Khartoum Aeradio, Sudan	AX	....
9214.5	FLB	....	Shanghai, PRC	FX	....	[BOA] Tfc/Prague
9214.5	850/...e	....	unknown	FX	....
9215.0	CW	↑RUZU	Molodezhnaya Base, Antarctica	FX	....
9215.0	CW	↑UGE2	Bellingshausen Base, Antarctica	FX	....
9215.0	850/...e	....	unknown	FX	....
9217.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 6842.0 & 9295.0]
9217.0	850/75R	ZLK47	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
			Tfc/McMurdo (Also frequent nx broadcasts)			

kHz	Mode	Call	Location	Service	kW	Remarks
9217.0	425/50R	5UA	Niamey, Niger	FX	....	[NTA]
9217.0	425/50e	....	unknown	FX	....	Idling
9218.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
9220.0	425/50N	BA09	Beijing, PRC	FX	5.0	Tfc/Hanoi
9220.0	425/75R	CME320	Havana, Cuba	FX	1.0	Czech EMBASSY
9220.0	CW	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
9220.0	425/50R	ODT	Beirut Aeradio, Lebanon	AX	1.0	Tfc/Baghdad
9220.0	FAX	....	Novosibirsk, USSR	FX	15.0	Meteo
9220.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes: AFF7, Davis-Monthan AFB, AZ; AFG8, Malstrom AFB, MT; AFG29, Whiteman AFB, MO; AFH28, Beale AFB, CA; etc.)
9220.0	USB	....	unknown says: "TIME CHECK PLEASE - IT IS 1009 - THANK YOU"			
9220.0	USB	....	unknown clg: CANARY SEED, INTERMINGLE, SAUSAGE, OVATION, etc.			
9220.0	USB	....	unknown says: OVERTONE 01 to OVERTONE 02	....	
9221.0	CW	....	unknown	....	
9222.5	USB	VJP	Perth (Gnangara), WA, Australia	FX	10.0	Telcom/VLU
9223.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3 Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 8063.6 & 10,523.6]
9223.8	F7B	....	unknown	FX	....	KUNA Nx AA/EE
9224.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
9224.0	850/50Nc	....	unknown	FX	....
9225.0	CW	↑R030	Oran Prefectura, Algiers	FX	....	Net Control
9225.0	850/....e	....	numerous, worldwide	FX	....	USN
9225.0	170/ARQ	....	unknown	FX	....	Idling
9225.0	FI	....	GC Tenerife to Madrid			
9225.3	425/50Rc	....	unknown	FX	....
9226.0	CW	CTV	Monsanto Naval, Portugal	FX	10.0	Portuguese Navy
9226.0	CW	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
9226.0	USB	CTV34	Monsanto Naval, Portugal	FX	....	Portuguese Navy
9226.0	USB	....	unknown--associated with 9228.1			
9226.0	*850/75N	CTV34	Monsanto Naval, Portugal	FX	10.0	Port. Navy
9227.0	375/50N	9KT27	Huban, Kuwait	FX	10.0	KUNA Nx EE 1200-1900 [Beamed to northern Europe]
9228.0	USB	5AH	Benina Radio, Libya	AX	....	Tfc/Luqa
9228.0	USB	....	Luqa Radio, Malta	AX	1.0	Tfc/Benina
9228.1	850/50Ne	....	unknown	....	
9228.5	850/75N	GYA	London (Northwood) Naval, England	FX	....	DCN
9228.6	425/50R	MUL	Belize, Belize	FX	....	DCN
9229.0	850/100N	KWK97	Warsaw, Poland	FX	1.0	USA EMBASSY
9230.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
9231.0	850/50R	BAJ53	Beijing, PRC	FX	10.0	
9231.0	375/50N	9KT27	Huban, Kuwait	FX	10.0	KUNA Nx AA 1400-1700 [Beamed to northern Europe]
9231.0	CW	"02U"	unknown	FX	....
9232.2	525/data	....	unknown	FX	....
9232.5	425/50R	CNM25	Rabat (Tangier), Morocco	FX	10.0	MAP [Beamed to India & Pakistan]
9234.0	USB	....	several, USA nationwide	FX	....	USAF (Includes: AFD3, Pentagon [Ft. Richie, MD], VA; AFE7, MacDill AFB, FL; AFG40, Colorado Springs, CO; AFS, Offutt AFB, NE; etc.)
9235.0	425/50R	RGG2	Magadan, USSR	FX	5.0	Meteo
9235.0	CW	↑NBL	NAVCOMMSTA New London, CT	FX	....	USN
9235.0	850/....e	....	unknown	FX	....
9236.0	USB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
9236.0	USB	....	apparently in England	....	
9236.2	850/75Rc	....	unknown	FX	....
9237.8	CW	....	unknown	FX	....	Single Ltrs
9238.0	425/75Rc	....	unknown	FX	....
9240.0	850/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Caracas
9240.0	850/50R	3UF2	Wulumuqi, PRC	FX	1.0	Meteo
9240.0	425/50N	HBX69	Geneva, Switzerland	FX	30.0	Tfc/Santiago
9240.0	USB	RV077	Moscow, USSR	FX	20.0	R. Moscow Feeder
9240.0	425/50R					TASS
[Non-directional]						
9240.0	*425/45Ne	....	several, USA nationwide	FX	....	FCC Backup Net
9241.9	B7W	TNI92	Brazzaville, Congo	FX	20.0	Telcom/Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
9242.0	850/...e	CLN253	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
9242.4	LSB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
9243.1	170/ARQ	....	unknown	...	....
9243.6	375/50N	MSS	Belize City, Belize	FX	....	DE MSS MSS RGRGRG
9245.0	425/50Nc	BAZ44	Beijing, PRC	FX	50.0	Tfc/Moscow
9245.0	B7W	FZE93	Fort de France, Martinique	FX	20.0	Telcom/Tfc
9248.0	LSB	....	unknown	...	....	EE some SS
9250.0	USB	VLN20	Sydney (Doonside), NSW, Australia	FX	3.5	Telcom/Ld. Howe
9250.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
9250.0	B8E	60A24	Mogadiscio, Somalia	FX	5.0	Telcom
9250.0	F7B	RWH73	Alma Ata, USSR	FX	15.0	
9250.0	425/50R	RZT73	Leningrad, USSR	FX	20.0	Meteo
9250.0	850/...e	....	numerous, worldwide	FX	....	USN
9251.0	325/50N	ELRB	Monrovia Aeradio, Liberia	AX	....	[LOE]
9252.5	425/75e	....	unknown	FX	....
9252.8	850/...e	....	unknown	FX	....	strong
9253.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
9253.5	425/50	OMV63	Prague, Czechoslovakia	FX	....	Ministry of Transport
9254.0	425/50R	BZU80	Wulumuqi, PRC	FX	3.5	XNA
9254.3	CW	NAM/NMN	unknown		....	x 1300-1324
9254.6	170/50N	SPK12	Phnom Penh, Cambodia --- says SARPORDARMEAN KAMPUCHEA PHNOM PENH			SPK Nx FF 1430-1530
9255.0	850/50N	JBE23	Tokyo, Japan	FX	2.5	
9255.0	850/50N	9VF50	Singapore Aeradio	AX	5.0	Tfc/Hong Kong
9255.0	850/75R	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
9255.0	850/75R	NRK?	QUICK FOXES			
9258.0	FlB	IRG44	Rome (Torrenova), Italy	FX	10.0	IINA Nx AA
			[Beamed to the Middle East & East Africa]			
9259.0	850/75N	....	unknown			
9260.0	425/50R	CLN254	Havana (Bauta), Cuba	FX	30.0	Tfc/Shanghai
9260.0	FAX	JKA3	Tokyo (Kemigawa), Japan	FX	5.0	
9260.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY (to England)
9263.7	850/...e	....	unknown	FX	....
9265.0	CW	T3T5	Tarawa Aeradio, Kiribati	AX	0.5	Tfc/Nandi
9265.0	*850/...e	AOK	NS Rota, Spain	FX	1.0	USAF/USN
9265.0	CW	"EC5W"	unknown	FX	....	Coded Tfc
9265.1	CW	....	unknown		....	EE
9267.0	B8E	†....	Rabat, Morocco	FX	....	Telcom
9267.6	AM	....	Clandestine in CC Irreg.			
9268.0	FlB	FJT3	unknown		....
9268.1	425/50N	FJY3	Dumont d'Urville, Antarctica	FX	0.5	
9268.2	425/50	FJY3	Dumont d'Urville		....
9270.0	425/50R	Y2J3	Berlin (Nauen), GDR	FX	20.0	DP
9270.0	F7B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/COM:TGK
9270.0	F7B	RG127	Moscow, USSR	FX	20.0	
9270.0	USB	"AF2"	"AIR FORCE TWO" (in flight)	MA	....	USAF VIP a/c
9271.3	500/50N	....	unknown	FX	....	Coded Tfc
9272.5	850/...e	....	unknown	FX	....	Idling
9273.0	170/50R	CLN256	Havana (Bauta), Cuba	FX	20.0	
9273.0	*FAX	JJC20	Tokyo, Japan	FX	1.0	Meteo
9274.2	500/...e	....	unknown	FX	....	Vsteady sig
9275.0	FlB	†GOS29	London (Ongar), England	FX	20.0	Nx
9277.5	CW	†NPG	NAVCOMMSTA San Francisco, CA	FX	1.0	USN
9278.0	B7W	†HSD93	Bangkok Aeradio, Thailand	AX	7.5	Tfc/Singapore
9278.5	USB	†....	North Atlantic (East Coast) LORAN Net	FX	..	USCG (Includes: NMA7, Jupiter, FL; NMP32, Nantucket, MA; NMP33, Caribou, ME; NMN73, Carolina Beach [Cape Fear], NC & NOL, "Bermuda Monitor") [Alt: 11,513.5]
9280.0	FAX	†RUZU	Molodezhnaya Base, Antarctica	FX	....
9280.0	425/75R	RUZU	" " "	FX	....	[RUML] USSR/Meteo
9280.0	CW	†UGE2	Bellingshausen Base, Antarctica	FX	....
9280.0	850/50R	9VF51	Singapore	FX	7.0	
9284.5	850/...e	....	unknown	FX	....
9285.0	CW	8UF75	New Delhi, India	FX	5.0	INTERPOL
9285.0	*425/50N	JPA33	Tokyo (Futomi), Japan	FX	10.0	INTERPOL (Far East distribution point working DUN356, Manila, Philippines; HMA22, Seoul, S. Korea; HSQ, Bangkok, Thailand & VRD, Hong Kong)
9285.0	425/50N	HBT39	Berne, Switzerland	FX	10.0	
9286.0	425/50R	Y7???	East Germany	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
9289.0	FAX	WFA29	New York, NY	FX	50.0	Meteo (0712-1212)
9290.0	AM	....	RADIO BEIJING, Shanghai, PRC	FX	50.0	
9290.0	425/50R	CLN256	Havana (Bauta), Cuba	FX	20.0	PL
9290.0	*850/75R	FUJ	Noumea Naval, New Caledonia	FX	10.0	French Navy
NAVAREA & warnings to HMNZ ships 1000						
9290.0	425/75N	†....	Porol Union, Philippines	FX	35.0	USIA Nx
[Beamed to Southeast Asia]						
9290.0	950/50R	RTQ78	Sverdlovsk, USSR	FX	20.0	Meteo
9294.2	850/....e	....	unknown	FX	....
9295.0	B9W	JBE59	Tokyo, Japan	FX	10.0	Telcom/Tfc
9295.0	*170/75Rc	RKO	Warsaw, Poland	FX	1.0	Russian EMBASSY
[Alt: 9217.0 & 9842.0]						
9295.0	850/50N	HSD24	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Calcutta
9295.0	F7B	RDW75	Khabarovsk, USSR	FX	20.0	Meteo
9295.0	USB	....	unknown, possibly USN activities	....	....
9295.8	425/50N	HBV29	Geneva, Switzerland	FX	20.	Tfc/Rawalpindi
9297.0	425/50N	EDG	Las Palmas Aeradio, Canary Is.	AX	1.0	Tfc/Dakar
9297.0	CW	DFR28	Frankfurt (Usingen), GFR	FX	....	Marpress
9297.0	CW	DFJ29	unknown	....	....
9297.8	850/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Asuncion
9298.0	425/50R	SOJ229	Warsaw, Poland	FX	20.0	Tfc
9299.0	170/75N	NRT	COMMSTA Totsuka, Japan	FX	0.5	USCG
9299.0	170/75N	NRV	COMMSTA Barrigada, Guam	FX	1.5	USCG
9299.0	850/50R	....	unknown	FX	....	RYRY
9299.2	170/50	....	unknown -- apparently in SA	FX	....	[ETA] Tfc/SS
9299.3	CW	....	unknown	....	....
9300.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
9300.0	425/50R	BRA25	Lasa, Tibet, PRC	FX	5.0	Tfc/Beijing
9300.0	425/75N	†....	Porol Union, Philippines	FX	35.0	USIA Nx
[Beamed to Southeast Asia]						
9301.0	425/75R	HGX39	New Delhi, India	FX	1.0	Hungarian EMBASSY
9302.5	850/....e	IBA	Naples Naval, Italy	FX	1.0	Italian Navy/NATO
9303.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes:
NMO, Lualualei, HI; NRO, Johnston Is.; NRO5, Upolu Point,						
HI & NRO7, Kure Island [Ocean Is.], HI) [Alt: 12,205.0]						
9304.8	CW	....	unknown	FX	....	SERUD AR
9305.0	LSB	TLZ93	Bangui, Central African Republic	FX	6.0	Telcom
9305.0	425/50R	BCW30	Shanghai, PRC	FX	40.0	Tfc/Havana
9306.8	USB	....	unknown	....	....
9307.0	USB	VCF957	Halifax, NS, Canada	FX	....	Control/Oil Rigs
9307.0	USB	....	St. Johns, Nfld., Canada	FX	....	Control/Oil Rigs
other stations--mention of GULF PETREL, PIONEER SERVICE--trips to Goose						
9308.0	850/50N	JTC26	Ulan Bator, Mongolia	FX	....	Bay, etc.
9309.0	425/50R	....	unknown	....	....
9310.0	425/50R	BAL23	Beijing, PRC	FX	10.0	Tfc/EUR
9310.0	850/....e	ADA	Tokyo, Japan	FX	10.0	US Army
9310.5	*B9W	LCB	Oslo (Jeloe), Norway	FX	30.0	Tfc/Rome
9311.5	USB	KOG55	Las Vegas, NV	FX	....	FBI
9314.0	USB	....	probably in South America	FX	....	Net
9315.0	425/50R	LGA5	Alesund, Norway	FX	....
9315.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes:
AFD3, Pentagon [Ft. Richie, MD], VA; AFD4 Langley AFB, VA;						
AFE7, MacDill AFB, FL; AFG40, Peterson AFB, CO; AFS, Off-						
utt AFB, NE; etc.)						
9315.0	475/....	....	unknown--probably FSK	....	....
9315.0	USB	CFW	Vancouver, BC, Canada	FX	0.5	Telcom
9315.3	675/50R	SWA	Athens Aeradio, Greece	AX	2.0	[LGAT]
9315.3	425/50R	SWA	" "	AX	2.0	[GEC] Tfc/Cairo
9317.0	850/50R	BPL44	Beijing, PRC	FX	10.0	Tfc/Urumqi
9318.0	850/....e	....	unknown	FX	....
9320.0	B8E	GWC	Daventry, England	FX	30.0	BBC Feeder
9320.0	425/50N	5YD22	Nairobi Aeradio, Kenya	AX	7.5	
9320.0	425/50R	RDZ70	Moscow, USSR	FX	20.0	Bakhtar Nx EE
0415-0545 [Beamed to Europe]						
1600-1900 [Beamed to West Africa]						
9320.5	425/50R	YOJ23	Sabaoani, Rumania	FX	1.5	Tfc/Beirut
9321.0	150/75Rc	....	unknown	FX	....
9322.5	425/50R	....	unknown signs CERO CELP PSE QSL	DE	MASPAL	
9324.0	Al*	....	Beijing, PRC	FX	10.0	XNA Nx CC 0000-0030,

kHz	Mode	Call	Location	Service	kW	Remarks
0700-1000, 1100-1400 & 1400-2430						
9325.0	*425/100Rc	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
9326.0	AM	....	unknown	FX	....	LETTERS/EE/YL
9330.0	USB	VLN20	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/Rawalpindi
9331.0	B8E	ZEN42	Cape D'aguilar, Hongkong	FX	5.0	Telcom/Brunei
9332.1	170/...e	....	unknown	FX	....
9333.5	USB	CTN82	Apulia Naval, Portugal	FX	5.0	Port. Navy
9335.0	425/50R	BJM	Beijing Aeradio, PRC	AX	1.0	Tfc/Irkutsk
9335.0	AM	....	RADIO BEIJING, Kunming, PRC	FX	120.0	R. Beijing Feeder
(Reversed Tape/RR/0300-0355 & 0900-0955)						
9335.0	LSB	AJE	Croughton (Barford), England	FX	3.0	AFRTS Feeder
9335.0	425/...e	....	unknown	FX	....
9336.0	USB	....	Port Moresby Radio, Papua New Guinea	AX	1.0	Tfc/Rabaul
9337.0	850/50N	RPFN	Monsanto Naval, Portugal	FX	....	Port. Navy
9337.0	425/...e	....	unknown	FX	....	Idling
9338.0	CW	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	10.0	USN
9338.0	850/...e	....	numerous	FX	....	USN
9338.5	FAX	....	unknown	FX	....
9339.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
9340.0	425/50R	BCH26	Shanghai, PRC	FX	15.0	Tfc/Rangoon
9340.0	850/75N	ZKX	Auckland Naval, New Zealand	FX	10.0	RNZ Navy
9340.0	425/50R	RCH72	Tashkent, Uzbek SSR	FX	20.0	Meteo
9341.0	*425/50R	FDY	Orleans Air, France	FX	....	French AF
9342.0	170/75R	CLN260	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
9342.5	850/50R	JYA42	Amman, Jordan	FX	2.5	Tfc/Kuwait
9344.7	425/50R	HBX59	Geneva, Switzerland	FX	10.0	
9345.0	AM	....	unknown	FX	....	NUMBERS/YL/SS
9345.9	325/...e	....	unknown	FX	....
9346.0	CW	....	unknown	....	....	QSO
9347.5	850/50R	SUC36	Cairo Aeradio, Egypt	AX	2.0	
9349.0	425/50N	APC	Muhurroq Aeradio, Bahrain	AX	2.0	Tfc/Muscat
9349.0	425/50R	GIC29B	London (Dorchester), England	FX	30.0	AP Nx EE 2130-0300
[Beamed to the Middle East & East Africa]						
9350.0	B8E	....	several, off coast of Durban, RSA	FX	....	Oil rigs
9350.0	B8E	....	Delano, CA	FX	50.0	VOA Feeder
9350.0	550/75Rc	....	unknown	FX	....
9351.0	CW	BPV	Shanghai, PRC	FX	15.0	TIME SIGNALS
9351.1	CW	....	unknown says MEM MEM NN73 GR26	FX	....
9352.0	CW	....	unknown repeats 4T988	....	....
9353.0	425/50N	OLX5	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 1630-1730
(Not on Sundays) [Non-directional]						
1800-1900 & 1930-2030						
(Not on Saturdays) [Directed to Africa & the Middle East]						
9355.0	425/50R	RWJ73	Alma Ata, USSR	FX	20.0	Meteo
9355.0	F7B	RNR4	Magadan, USSR	FX	20.0	Tfc/Meteo
9355.0	F7B	RDD	Moscow, USSR	FX	15.0	Tfc/Europe
9359.0	375/50Rc	....	unknown, probably in USSR	FX	....
9359.8	425/45R	....	unknown, RYRY clg KOREE at 45R	....	....
9360.0	FAX	OXI	Skamlebaek Radio, Denmark	FX	20.0	Danish Marine
Meteo (0005-0025; 1010-1215; 1245-1305 & 1830-1850)						
9360.0	AM	....	RADIO PYONGYANG, PDR Korea	BC	200.0	Korean 2200-2250
9360.0	AM	....	RADIO ESPANA, Madrid, Spain	BC	350.0	1830-0530
9360.0	525/50R	XVB31	Hanoi, Vietnam	FX	....	clg HM223
9361.5	425/50N	IRG53	Rome (Torrenova), Italy	FX	10.0	ANSA
9362.0	850/50R	BAZ69	Beijing, PRC	FX	2.0	XNA
9362.5	425/50N	CLN261	Havana (Bauta), Cuba	FX	20.0	PL Nx/Tfc/Algiers
[Beamed to North Africa]						
9363.1	425/50N	DFJ36H1	Hamburg (Bonames), GFR	FX	20.0	DPA
[Beamed to the Middle East]						
9364.1	425/100R	....	unknown	FX	....	Rpts GULANS GULANS
9365.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Russian Service
9370.0	850/...e	....	unknown	FX	....
9370.0	AM	....	unknown	BC	....
9373.6	950/50N	....	unknown	....	....
9373.6	950/50N	....	unknown	....	....	EE
9374.6	CW	D4D	Praia, Cape Verde	FX	....	Tfc
9375.0	AM	....	RADIO TIRANA, Albania	FX	240.0	External Service
9375.0	425/50R	BCP29	Shanghai, PRC	FX	15.0	Tfc/Cambodia
9375.0	CW	CQF42	Bissau, Guinea-Bissau	FX	1.0	Tfc/London
9375.0	*B9W	CSF37	Funchal, Madeira Islands	FX	1.0	Port. AF

kHz	Mode	Call	Location	Service	kW	Remarks
9375.0	F1B	3BN	Port Louis Aeradio, Mauritius	AX	0.5	Tfc/Antananarivo
9375.0	CW	THMK21	Pyongyang, North Korea	FX	....
9375.0	*B9W	CSF25	Lisbon, Portugal	FX	1.0	Port. AF
9375.0	850/75N	RFVPM	Le Port Naval, Reunion	FX	5.0	French Navy
9375.1	*B9W	CSF36	Ponta Delgada, Azores	FX	1.0	Port. AF
9380.0	USB	....	several, off coast of Burma	FX	1.0	Oil rigs
9380.0	AM	....	CPBS, Beijing, PRC	BC	15.0	Taiwan Service
9380.0	USB	NMR	COMMSTA San Juan, PR	FX	10.0	USCG
[Hurricane Warning Net Control]						
9383.0	525/75Rc	....	unknown	FX	....
9384.0	USB	....	Papeete, Tahiti	AX	0.2	Net Control
9385.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	100.0	External Service
9385.0	325/...e	....	unknown	FX	....	Idling
9386.0	USB	ZKS	Roratonga, Cook Islands	FX	1.0	Net Control
9387.4	425/50N	↑"OLBA"	Berlut Aeradio, Lebanon	AX	2.5	Meteo
9387.5	CW	FDC23	Achern Air, GFR	FX	....	French AF
9387.9	500/50R	ZA03	Tirana, Albania	FX	....	Tfc/Beijing
9388.0	CW	....	unknown	FX	....	garbled
9389.0	425/50R	↑ODT	Beirut Aeradio, Lebanon	AX	2.5	Meteo
9389.5	FAX	WFH29	New York, NY	FX	60.0	Meteo (0712-1212)
9390.0	170/75R	CLN262	Havana (Bauta), Cuba	FX	100.0	Tfc
9390.5	USB	....	tentatively Lagos, Nigeria	FX	....	MFA
9390.5	....	....	unknown	...	....	switching RTTY & USB
9390.6	170/50R	....	tentatively, Lagos, Nigeria	FX	....	MFA
9391.0	CW	SOJ239	Warsaw, Poland	FX	20.0	PAP Nx 1800-1900
(To Fishing Fleet)						
9391.0	425/50R	SOJ239	Warsaw, Poland	FX	20.0	PAP Nx EE 1100-1130
(Not on Sundays) [Beamed to the Middle East]						
9392.0	CW	RUQ	Krasnoyarsk, USSR	FX	1.0	
9392.5	USB	FTJ39	Paris (St. Assise), France	FX	20.0	Telcom
9394.0	FAX	....	unknown	FX	....
9395.0	425/50Rc	HMK21	Pyongyang (Jungsan), PDR Korea	FX	20.0	KCNA Nx RR 1230-1430
(No newscasts on Sundays) [Beamed to Europe]						
9395.0	425/50R	HMK21	Pyongyang (Jungsan), PDR Korea	FX	20.0	KCNA Nx EE 1500-1730
[Beamed to Europe]						
KCNA Nx FF 1800-2100						
[Beamed to North Africa]						
KCNA Nx FF 2130-2400						
(Not on Sundays) [Beamed to Europe]						
9395.0	CW	....	unknown	....	PP	
9396.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes:
NCI, Sellia Marina, Italy & NC13, Lampedusa, Italy)						
9396.4	350/50N	FTJ39A/G	Paris (St. Assise), France	FX	35.0	AFP Nx EE 0330-0430
1715-1800						
1815-1900						
("Africa Beams Service") [Beamed to East Africa]						
9397.8	350/50N	FTJ39A/F	Paris (St. Assise), France	FX	35.0	AFP Nx FF 1715-1800
1815-1900						
("Afrigascar Service") [Beamed to East Africa]						
9398.0	850/...e	....	unknown	FX	....
9400.0	425/75R	BBF27	Shanghai, PRC	FX	80.0	
9400.0	425/50R	CKK	Carrasco Aeradio, Uruguay	AX	3.0	
9400.2	650/...e	....	unknown	FX	....
9401.8	650/...e	....	unknown	FX	....
9402.0	CW	....	unknown	FX	....	Hand keying
9402.5	425/50N	ISY94	Rome, Italy	FX	10.0	ANSA Nx EE 1700-1900
(Not on Sundays) [Beamed to the Far East]						
9402.5	F7B	RPA8	Kzyl Orda, Kazakh SSR	FX	60.0	
9405.0	USB	....	numerous, throughout NW Australia	FX	....	Oil rigs/Mining
9405.0	850/75N	NAU	NAVCOMMSTA San Juan, PR	FX	15.0	USN
9405.0	850/50N	9VF52	Singapore Aeradio	FX	7.0	
9405.0	850/...e	AOK	NS Rota, Spain	FX	15.0	USN/USAF
9405.0	425/50N	FXP54	Papeete, Tahiti	FX	5.0	Tfc/Easter Island
9405.0	F7B	RNY4	Frunze, Kirgiz SSR	FX	100.0	
9410.0	AM	....	BBC, London, England	BC	250.0	External Service
9412.7	FAX	JKE6	Tokyo (Usui), Japan	FX	5.0	Nx JJ 2300-1600
9414.8	425/...e	....	unknown	FX	....
9415.0	CW	UJY2	Kaliningrad, USSR	FX	5.0	Tfc/Havana
9416.5	piccolo	....	unknown			
9417.0	425/50R	BZP59	Wulumuqi, PRC	FX	10.6	XNA Nx EE 1500-1700

kHz	Mode	Call	Location	Service	kW	Remarks
[Beamed to Europe]						
9418.0	F1B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/Mauritius
9419.0	CW	CUA48	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
9419.7	425/50R	....	unknown	....	....
9420.0	AM	....	VOICE OF GREECE, Athens, Greece	BC	100.0	External Service
9420.0	AM	....	RADIO PYONGYANG, North Korea	BC	200.0	External Service
9420.0	F7B	↑RMD57	Moscow, USSR	FX	15.0	TASS Feeder to XNA
(One channel is TASS--second channel is for telegrams)						
9420.1	850/75N	GYU	Gibraltar Naval	FX	5.0	British Navy
9421.8	USB	....	unknown	FX	....	Net/FF
9422.0	550/50R	....	Damascus, Syria	FX	....	SANA Nx AA 1700-2100
(Not on Fridays) [Non-directional]						
9422.5	F7B	RBI6	Ostrov Komsomol'skoy Pravdy, USSR	FX	50.0	
9424.0	850/50N	RFFJC	Cherbourg Naval Air, France	FX	....	French Navy
9424.5	USB	....	Antananarivo Radio, Madagascar	AX	5.0	Tfc/East Africa
9425.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	10.0	Domestic Service
9425.0	F7B	RKK	Moscow, USSR	FX	25.0	
9425.0	850/....	....	numerous, USA nationwide	FX	....	USN
9427.5	LSB	....	Nairobi Control, Kenya	AX	5.0	Tfc/East Africa
9427.5	850/50N	SDQ2	Stockholm (Varberg), Sweden	FX	35.0	Tfc/Far East
9429.3	375/50N	VLN21	Sydney (Doonside), NSW, Australia	FX	10.0	AAP Nx EE 1000
[Beamed to Casey Base, Antarctica]						
9430.0	475/50N	ZAT	Tirana, Albania	FX	....	ATA Nx FF 0730-0815 0900-1030 Nx EE 1100-1230
(This newscast not on Sundays)—1500-1630 1700-1830						
9430.0	850/....	FUX	Le Port Naval, Reunion	FX	5.0	French Navy
9430.0	850/50N	9VF53	Singapore Aeradio	AX	7.0	
9430.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx 0200-1500
9430.0	F7B	RUA57	Khabarovsk, USSR	FX	30.0	
9434.0	850/50R	BAT69	Beijing, PRC	FX	5.0	XNA
[Beamed to Cambodia]						
9434.0	*850/45N	↑KAD260	New Orleans, LA	FX	0.5	Border Patrol
(Also: KAD680, Buffalo, NY & KAK700, Detroit, MI)						
9434.0	850/75N	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	5.0	[HCMP] USN
9435.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
9435.0	425/50R	HSD34	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Dhaka
9436.0	425/50R	BZM39	Wulumuqi, PRC	FX	2.0	XNA
9437.1	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
9438.0	FAX	JMJ3	Tokyo (Usui), Japan	FX	5.0	Meteo
9440.0	*USB	↑VNA3	Melbourne, Vic., Australia	FX	1.0	Monitoring Net
(Includes: VNA4, Brisbane; VNA5, Adelaide; VNA6, Perth; VNA7, Hobart, Tasmania & VNA21, Townsville)						
9440.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
9440.0	FAX	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	20.0	USN/Meteo (cont.)
9440.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	300.0	External Service
9440.0	FAX	HMN84	Pyongyang (Bosong), North Korea	FX	5.0	KCNA Nx Korean
0330-0600, 1000-1300 & 2200-0100 [Beamed to Japan]						
9442.5	B9W	↑ZEN44	Cape D'aguilar, Hong Kong	FX	10.0	Tfc/Nx
9443.0	850/50R	....	Beijing, PRC	FX	10.0	XNA
[Non-directional]						
9443.0	375/50N	ISY95	Rome (Torrenova), Italy	FX	5.0	IINA Nx AA 1600-1900
[Beamed to West Africa]						
9443.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/
9445.0	850/50R	IPG22	Warsaw, Poland	FX	0.2	Italian EMBASSY
9448.0	425/50R	YOJ34	Bucharest, Rumania	FX	2.0	Tfc/Warsaw
9450.0	USB	....	Lyndhurst, NSW, Australia	FX	....	R. Australia Feeder
9450.0	USB	JKU22	Sapporo Tsuikis, Japan	FX	....	NHK Feeder
9450.0	AM	....	RADIO MOSCOW, USSR	BC	250.0	External Service
9452.0	425/50R	BAK69	Beijing, PRC	FX	50.0	XNA
[Beamed to the Caribbean]						
9453.5	425/50N	....	unknown	FX	....	Coded Tfc
9455.0	AM	....	CPBS, Kunming, PRC	BC	50.0	Taiwan Service
9455.0	170/75R	OLY	Prague, Czechoslovakia	FX	20.0	
9455.0	AM	....	RADIO CAIRO, Egypt	BC	100.0	External Service
9455.0	AM	....	unk, but sounds like VOA	BC	....
9458.0	FAX	....	unknown	FX	....
9460.0	425/50R	BCS75	Shanghai, PRC	FX	5.0	Tfc/Sydney
9460.0	AM	....	VOICE OF GREECE, Athens, Greece	BC	....	External Service

kHz	Mode	Call	Location	Service	kW	Remarks
9460.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	....	External Sewrvice
9462.5	170/50N	ETD3	Addis Ababa Aeradio, Ethiopia	AX	2.0	
9463.0	425/50N	JYF4	Amman, Jordan	FX	5.0	PETRA/JNA Nx AA 0900-1100 & 1400-1600 Nx EE 1700-1800
(No broadcasts on Fridays) [Non-directional]						
9463.0	AM	....	unknown	FX	....	NUMBERS/YL/SS
9464.9	425/50R	UXT	Sukhumi	FX	....
9465.0	850/50N	9VF54	Singapore Aeradio, Singapore	AX	7.0	Tfc/Sydney
9465.0	F7B	RWG56	Moscow, USSR	FX	20.0	
9465.0	CW	....	unknown			
9466.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
9470.0	AM	....	RADIO MOSCOW, Moghilev, USSR	BC	100.0	Domestic Service
9472.0	425/50N	LZH3	Sofia, Bulgaria	FX	15.0	BTA Nx EE 1830-1930
9472.5	F7B	RPC7	Aktiubinsk, USSR	FX	50.0	
9473.0	USB	PUZ4	Brasilia, Brazil	FX	1.0	Governmental [Telcom/Asuncion]
9473.0	B9W	AFH3	Albrook AFS, Panama	FX	3.0	USAF
9474.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: AOB50, Estartit, Spain; NCI, Sellia Marina, Italy; NCI3, Lampedusa, Italy; NCI4, Karagabaran, Turkey & NCI10, Rhodes
9475.0	425/100R	CLN263	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
9475.0	AM	....	RADIO CAIRO, Egypt	BC	250.0	External Service
9475.0	425/50R	HBT59	Berne, Switzerland	FX	6.0	Tfc/Mexico City
9475.5	USB	VNV	Sydney (Doonside), Australia	FX	10.0	Telcom
9480.0	AM	....	RADIO TIRANA, Albania	BC	240.0	External Service
9480.0	AM	....	RADIO BEIJING, PRC	BC	240.0	External Service
9480.0	425/50R	BJZ70	Wuhan, PRC	FX	1.0	Meteo
9480.0	425/50R	HMH34	Pyongyang (Jungsan), North Korea	FX	10.0	KCNA [Beamed to Eastern North America]
9480.0	AM	....	RADIO MOSCOW, Krasnoyarsk, USSR	BC	250.0	External Service
9480.1	425/50R	ZAT9	Tirana, Albania	FX	....
9481.0	CW	CME301	Havana, Cuba	FX	1.0	Polish EMBASSY
9482.0	850/...e	....	unknown	FX	....
9485.0	CW	GYA	London (Northwood) Naval, England	FX	....	British Navy
9485.0	850/...e	....	unknown	FX	....
9487.9	170/50N	....	unknown	FX	....	(also FSK)
9490.0	AM	....	RADIO BEIJING, Lhasa, Tibet	BC	....
9490.0	AM	....	RADIO MOSCOW, Ulyanovsk, USSR	BC	240.0	RADIO ORBITA 2-4
9491.0	425/50R	BZR69	Wulumuqi, PRC	FX	25.0	XNA Nx EE 1500-1700 1830-1930 [Beamed to Southern Europe]
9500.0 - 9900.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
9630.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnson Is.; NRO5, Upolu Pt., HI; & NRO7, Kure Island [Ocean Is.], HI) [Alt: 12,205.0]
9775.0 - 9995.0 kHz — FIXED SERVICE (Worldwide)						
9776.0	B9W	LHC	Oslo (Jeloey), Norway	FX	10.0	Tfc/Ny Aslesund
9780.0	425/75N	CME321	Havana, Cuba	FX	1.0	Czech EMBASSY
9780.0	AM	....	RADIO MOSCOW, Alma Ata	BC	240.0	Domestic Service
9782.5	B9W	....	unknown	FX	....
9783.5	USB	....	numerous, in Mexico	FX	....	Net
9784.0	*425/75N	OMZ29	Bratislava, Czechoslovakia	FX	1.0	GDR EMBASSY
9784.0	*425/75N	OMZ28	Prague, Czechoslovakia	FX	1.0	GDR EMBASSY
9784.0	425/50R	Y7A40	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
9785.0	CW	LWB	Buenos Aires (Moron), Argentina	AX	2.4	
9785.0	850/50N	9VC41	Singapore, Singapore	FX	8.0	
9788.0	425/50N	FTJ8	Paris (Le Vernet), France	FX	10.0	DIPLO Nx EE/FF/SS 0900-1600
9791.0	575/...e	....	unknown	FX	....
9796.0	CW	EEQ	Madrid, Spain	FX	1.0	Police Net Control
9797.0	425/50R	YOJ27	Bucharest, Rumania	FX	5.0	AGERPRES
9797.0						Nx EE 0900-1000 (Not on Sundays) Nx FF 1000-1100 (Not on Sundays) [Non-directional]
9797.0		YOJ27	unknown			EE & FF sked OK 8/83

kHz	Mode	Call	Location	Service	kW	Remarks
9803.0	850/50N	9VF55	Singapore	FX	5.0	
9804.0	CW	....	unknown	FX	....
9804.9	170/50N	DFJ81/L6	Cologne (Bonames), GFR	FX	20.0	DW Control
9805.0	425/50R	ISY98	Rome (Torrenova), Italy	FX	10.0	IINA
[Beamed to South America]						
9807.7	1000/75Rc	....	unknown	FX	....
9810.0	850/50N	P2P	Pt. Moresby Air, Papua New Guinea	AX	1.0	
9810.0	*425/50R	Y7G31	Warsaw, Poland	FX	1.0	GDR EMBASSY
9811.3	375/75R	P6Z	Paris, France	FX	....	EMBASSY
9815.0	USB	VZLH	Lord Howe Island, Australia	AX	1.0	Tfc/Sydney
9815.0	B8E	†9VE55	Singapore	AX	2.5	Tfc
9817.5	USB	....	offshore, southeast Asia	FX	0.5	Oil Rigs
9820.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	350.0	External Service
9820.0	475/50R	†HMB	Phnom Penh, Cambodia	FX	....	SPK
9820.0	B9W	AIF	Yokota AB, Japan	FX	30.0	USAF
9820.8	250/75R	....	unknown	FX	....	Idling (some msgs)
9821.0	850/50N	9VF56	Singapore	FX	5.0	Tfc/Tokyo
9824.0	850/50R	BZB89	Wulumuqi, PRC	FX	10.5	XNA (HX)
[Beamed to Iran/Iraq]						
9824.0	250/....	....	unknown	FX	....	(also data)
9827.6	550/50R	HMB2Ø	Phnom Penh, Cambodia	FX	....	SPK Nx EE/FF/VV
0100-0500 & 0700-1500 [Directed to Hanoi]						
9829.5	850/....	....	unknown	FX	....
9829.8	500/50N	HMB2Ø	Phnom Penh, Cambodia	FX	....	RYRY
9830.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx 0700-1500 (Feed to Hanoi)
9830.0	850/50R	RGE39	Moscow, USSR	FX	20.0	
9835.0	850/50N	5NK36	Kano, Nigeria	FX	3.5	Meteo
9835.0	425/50R	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....
9836.8	170/75Rc	....	unknown	FX	....
9837.0	425/50R	BZT49	Wulumuqi, PRC	FX	25.0	XNA (HX)
[Beamed to Southern Europe]						
9838.5	USB	V3Z2	Belize City, Belize	FX	1.0	Meteo/Tfc/FL
9840.0	425/50R	ETI84	Addis Ababa, Ethiopia	FX	1.0	Yugoslav EMBASSY
9840.0	850/50N	9VC42	Singapore	FX	5.0	
9840.0	425/50N	HSD35	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Dacca
9840.2	850/....	....	unknown	FX	....	Idling
9840.3	LSB	FTJ84	Paris (St. Assise), France	FX	20.0	Telcom
9842.0	CHECK	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
9842.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY
[Alt: 9217.0 & 11,148.0]						
9845.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
9845.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
9846.0	CW	OMC2	Bratislava, Czechoslovakia	FX	1.0	Tfc/Izmail
9846.5	425/50R	TUH98	Abidjan, Ivory Coast	FX	2.0	
9848.0	850/50R	BPJ24	Beijing, PRC	FX	10.0	Tfc/Urumqi
9848.0	500/75Nc	....	unknown	FX	....
9850.0	425/50R	RDZ74	Moscow, USSR	FX	20.0	Bakhtar Nx EE
0415-0545 [Beamed to Europe]						
9850.0	F7B	RDZ74	" "	TASS	Nx AA/FF 1430-2200	
[Beamed to the Middle East]						
9850.0	USB	....	unknown	FX	....	Net/SS
9850.0	850/50R	....	unknown	FX	....	FF/Tfc/RFFBDL
to Fort de France from COMDIRMATBAT						
9853.5	850/50N	D2U21	Luanda Aeradio, Angola	AX	10.0	Tfc/Maputo
9854.0	LSB	....	Rampisham, England	FX	30.0	BBC Feeder (Sender 1)
9854.0	850/50N	†ØBC	Callao Naval, Peru	FX	....	Peruvian Navy
9855.0	425/75N	†....	Ismaning, GFR	FX	8.0	USIA
9855.0	FAX	JKC2	Tokyo (Kemigawa), Japan	FX	5.0	
9855.0	425/75N	....	Tangier, Morocco	FX	35.0	USIA Nx EE/FF
2230-0745 ("Europe File")						
9855.0	425/50R	RDZ73	Moscow, USSR	FX	20.0	Tfc/Europe
9860.0	425/50R	BJY23	Wuhan, PRC	FX	1.0	
9860.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	
9860.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx CC 0200-0800
9862.6	*525/75R	VTK	Tuticorin Naval, India	FX	....	Indian Navy
9863.1	170/75Rc	....	unknown	FX	....
9864.5	CW	VTK	Tuticorin Naval, India	FX	....	Indian Navy
9865.0	USB	"AEE8Ø"	unknown American military	FX	....	DATA
9867.0	425/50R	YIZ74	Baghdad, Iraq	FX	10.0	INA Nx AA 0600-2000

kHz	Mode	Call	Location	Service	kW	Remarks
[Beamed to North Africa & the Middle East]						
9868.0	425/50R	BZS69	Wulumuqi, PRC	FX	40.0	XNA INA Nx AA 0700-1100
9869.5	425/50R	YOJ28	Bucharest, Rumania	FX	2.0	Tfc [Beamed to Africa]
9870.0	425/75N	†....	Porol la Union, Philippines	FX	35.0	USIA Nx [Beamed to Southeast Asia]
9872.5	FLB	†SWA	Athens Aeradio, Greece	AX	2.5	
9873.0	425/50Rc	SOJ287	Warsaw, Poland	FX	20.0	PAP Nx RR 1500-1530 [Beamed to Southeastern USSR]
9873.5	170/50N	ETD3	Addis Ababa Aeradio, Ethiopia	FX	2.5	Tfc/Nairobi PAP Nx EE 1700-1730
9875.0	USB	DFJ87	Frankfurt (Bonames), GFR	FX	20.0	DW Feeder
9875.0	425/50N	5AG	Tripoli Airport, Libya	FX	1.0	Meteo
9875.0	850/75N	AOK	NS Rota, Spain	FX	15.0	USAF/USN
9879.0	850/50N	YAN	Kabul Aeradio, Afghanistan	AX	2.5	Tfc/New Delhi
9879.3	425/....	....	unknown	FX	....	Idling
9880.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
9880.0	AM	....	RADIO BEIJING (reverse tape in RR 0300-0355)			
9880.0	425/50R	Y2J6	Berlin (Nauen), GDR	FX	20.0	ADN
9880.0	CW	DDK9	Pinneberg, GFR	FX	1.2	Meteo
9880.2	850/50N	OBQ	Iquitos Naval, Peru	FX	....	Peruvian Navy
9881.5	425/75Rc	....	unknown	FX	....
9882.0	425/50R	BZC46	Wulumuqi, PRC	FX	40.0	XNA Nx FF 1300-1900 †XNA Nx FF 1600-close [Beamed to Central Africa]
9882.1	CW	"MHA"	unknown	FX	....
9883.0	425/50R	BGW88	Chengdu, PRC	FX	2.0	Meteo
9885.0	425/50R	LZE2	Sofia, Bulgaria	FX	....	Tfc/Far East
9885.0	FAX	JKD3	Tokyo, Japan	FX	5.0	
9885.0	425/50R	RGI26	Moscow, USSR	FX	20.0	TASS [Non-directional]
9885.0	425/....	....	unknown	FX	....
9886.5	425/50R	GFL23	Bracknell, England	FX	2.5	Meteo (cont.)
9890.0	850/75R	CFH	Halifax, NS, Canada	FX	5.0	C. Forces/Meteo (NOAA reports wx forecasts at 0100, 0330, 0630, 1200, 1400, 1630, 1922 & 2340)
9890.0	FAX	CFH	Maritime Command Radio, Halifax, NS,	FX	10.0	Meteo (NOAA reports seasonal ice broadcasts at 0000, 1300 & 2000: also test charts, analysis & prognosis throughout each day)
9890.0	425/50R	SOJ289	Warsaw, Poland	FX	20.0	
9890.0	850/50N	9VC43	Singapore	FX	5.0	
9893.0	425/50R	SOJ389	Warsaw, Poland	FX	20.0	
9894.8	LSB	5LF9	Monrovia, Liberia	FX	6.0	Telcom
9895.0	AM	....	RADIO HAVANA, Cuba	BC	100.0	External Service
9895.0	425/50N	ZEN45	Cape D'aguiar, Hong Kong	FX	7.0	UPI Nx EE 1900 [Beamed to India]
9895.0	AM	....	RADIO NETHERLANDS, Lopik, Holland	BC	100.0	External Service
9897.1	*170/50Rc	....	unknown	FX	....	Tfc

9900.0 - 9995.0 kHz — FIXED SERVICE (Worldwide)

9900.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
9900.0	425/75R	CLN264	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
9900.0	425/50R	RFLIG	Cayenne Naval Air, French Guiana	FX	....	French Navy
9900.0	850/50R	RFLIA	Fort de France N. Air, Martinique	FX	....	French Navy
9905.0	B9W	AGD20	Wheeler AFB, HI	FX	40.0	USAF
9905.0	USB	RVL24	Khabarovsk, USSR	FX	20.0	Feeder for MAYAK & RADIO ORBITA-1
9905.0	J3E	....	Vladivostok, USSR	BC	....	Pacific Ocean Svc
9909.0	425/50N	FDY	Orleans Air, France	FX	....	French AF
9909.0	850/50N	CSZ51	Lisbon Aeradio, Portugal	AX	3.0	[LMC] Tfc/ Azores
9909.1	170/50R	....	unknown	FX	....	Meteo (WBC seen)
9909.5	B8E	ZFD44	Hamilton, Bermuda	FX	10.0	Telcom
9910.0	*425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
9910.0	425/50R	Y7A41	Berlin (Nauen), GDR	FX	5.0	EMBASSY
9910.0	425/50N	DGJ91	Elmshorn, GFR	FX	20.0	
9910.0	425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
9910.3	USB	CSZ51	Lisbon	AX	....	Aero Tfc
9911.0	USB/Data	"JIK"	unknown	FX	....	USN

kHz	Mode	Call	Location	Service	kW	Remarks
9912.0	AM	....	ALL-INDIA RADIO, New Delhi, India	BC	250.0	External Service
9913.0	850/75Re	....	unknown	FX	....	USN
9915.0	AM	....	BBC, London, England	FX	250.0	External Service
9915.0	F7B	RDZ72	Moscow, USSR	FX	15.0	TASS
9916.0	850/50N	↑ZRH	Cape (Fisantekraal) Naval, RSA	FX	....	RSA Navy
9918.5	LSB	6VK49	Dakar, Senegal	FX	20.0	Telcom
9919.5	USB	....	several, USA nationwide	FX	....	DOE
9920.0	425/50R	ONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
9920.0	425/50R	Y7A42	Berlin (Nauen), GDR	FX	5.0	EMBASSY
9920.0	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
9920.0	425/50Rc	....	unknown	FX	....
9921.5	USB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
9923.0	425/75N	4US	Nicosia, Cyprus	FX	10.0	UN
9923.0	425/75N	4UAD	New Delhi, India	FX	1.0	UN
9923.0	425/75N	4UAS	Stringar, India	FX	1.0	UN
9925.0	USB	....	Baghdad	....	....	(0300-1500)
9925.3	475/75Rc	....	unknown	FX	....
9926.0	1000/50R	RQL35	Khabarovsk, USSR	FX	20.0	Meteo
9927.5	425/50R	RXA76	Alma Ata, USSR	FX	20.0	Meteo
9930.9	CW	....	several, in central Africa	FX	....	Police (Infre-
quently used net between Gabon, Kenya, Malawi, Tanzania & Zambia)						
9932.5	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
9932.5	USB	AGA	Hickam AFB, HI	FX	1.0	USAF
9934.0	425/50R	BZL39	Wulumuqi, PRC	FX	10.0	XNA
9934.3	425/50Rc	....	unknown	FX	....
9934.5	LSB	....	Lord Howe Island, Australia	FX	....	Tfc/Sydney/9296.5
9935.0	CW	FUF	Fort de Fort Naval, Martinique	FX	....	French Navy (FAAN)
9935.0	850/...e	FUJ	Noumea Naval, New Caledonia	FX	2.0	French Navy
9935.0	USB	....	unknown	FX	....	FF
9935.0	425/...e	....	unknown	FX	....
9937.4	325/...e	....	unknown	FX	....	Idling
9938.8	170/...e	....	unknown	FX	....
9940.0	850/50N	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
9940.0	USB	VLV	Mawson Base, Antarctica	FX	1.0	"
9940.0	850/50N	VNJ	Casey Base, Antarctica	FX	10.0	"
9940.0	USB	VNM	Hobart (Kingston), Tas., Australia	FX	1.0	"
9940.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
9940.8	B7W	XXF48	Macao, Macao	FX	....
9942.0	CW	ONN36	Brussels, Belgium	FX	1.0	Angola EMBASSY
9942.2	850/50N	CSZ	Lisbon Aeradio, Portugal	FX	....	[LSA] Tfc/Sal
9942.5	850/50N	IBA	Naples Naval, Italy	FX	2.0	Italian Navy
9943.0	425/50N	HBS89	Berne, Switzerland	FX	8.0	Tfc/Lisbon
9945.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	120.0	External Service
9945.0	AM	....	RADIO BEIJING	....	....	RR, 1600-1655 only
9945.0	850/50N	9VF57	Singapore	FX	5.0	Tfc/Australia
9945.0	CW	"7CB"	unknown	FX	....
9947.0	CW	....	unknown	FX	....
9947.5	USB	....	numerous, USA nationwide	FX	....	NOAA/Emergency Net
9948.0	425/50R	YOJ39	Bucharest (Cornetu), Rumania	FX	1.5	Tfc/Warsaw
9948.5	USB	....	numerous, throughout France	FX	0.1	Net
9950.0	425/50R	BZM47	Wulumuqi, PRC	FX	40.0	XNA (HX)
[Beamed to East Africa]						
9950.0	425/50R	CME342	Havana, Cuba	FX	1.0	Bulgarian EMBASSY
9950.0	USB	ZLBC4	Campbell Is., New Zealand	FX	1.0	Telcom/Wellington
9950.0	F7B	CYA3	Warsaw, Poland	FX	1.0	Greek EMBASSY
9950.0	425/50R	YZF	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
1600-1730 [Non-directional]						
9950.0		YZF	Tanjug	....	....	EE
9950.0	USB	ZLBC4	Campbell Island, New Zealand	FX	....
9950.0	USB	ZME3	Raoul (Sunday) Is., Kermadec Islands	FX	1.0	Telcom/Wellington
9950.0	USB	ZME3	Raoul	....	....
9950.8	1000/50R	GPX/5	Ho Chi Minh City, Vietnam	FX	....	VNA
9952.0	475/50N	GPX5	Ho Chi Minh City, Vietnam	FX	....	VNA Nx VV 0100-1600
[Directed to Hanoi--Not Continuous]						
9955.0	*425/75R	EXO44	Warsaw, Poland	FX	1.0	PRC EMBASSY
9955.5	425/75R	CLN265	Havana (Bauta), Cuba	FX	10.0	
9956.1	170/...e	....	unknown	FX	....
9958.0	850/...e	NSS	NAVCOMSTA Washington, DC	FX	40.0	USN
9960.0	B9W	LJN23	Ny Aalesund Naval, Spitzbergen	FX	10.0	Norwegian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
9960.0	850/...e	....	rumorous, worldwide	FX	10.0	USN
9960.0	850/75	....	unknown			
9961.5	CW	....	unknown	FX	....	Coded Tfc
9963.0	850/50R	BZM49	Wulumuqi, PRC	FX	25.0	XNA
9964.0	425/50R	†FDY	Orleans Air, France	FX	....	French AF
9965.0	USB	....	numerous, throughout Australia	FX	0.1	Oil rigs/Mining
9965.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
9965.0	425/...e	....	Etampes Air, France	FX	20.0	French AF
9965.0	850/50R	"IX82"	unknown	FX	....	EN4T DE IX8Z
9965.5	170/ARQ	....	unknown	FX	....	too weak
9966.2	CW	....	unknown	FX	....	QSO/IX8Z
9967.0	425/50R	Y2V9	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 1600-1750 [Beamed to Southeast Asia]
9969.0	850/...e	....	unknown	FX	....
9969.5	250/50N	JMH3	Tokyo, Japan	FX	5.0	Meteo
9970.0	FAX	JMH3	Tokyo, Japan	FX	5.0	Meteo
9970.0	USB	....	unknown	FX	....	Net
9971.6	850/...e	....	unknown	FX	....
9971.7	850/...e	....	unknown	FX	....
9972.0	USB	AJO	Adana AFS, Turkey	FX	4.0	USAF
9973.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
9974.0	USB	AGB4	Wake Island	FX	1.0	USAF
9975.0	850/75Rc	....	unknown	FX	....
9977.0	AM	....	RADIO PYONGYANG, North Korea	BC	200.0	External Service
9979.0	170/75N	NRV	COMMSTA Barrigada, Guam	FX	1.5	USCG
9979.0	170/75N	NRT	COMMSTA Totsuka, Japan	FX	0.5	USCG
9979.0	170/ARQ	....	unknown	FX	....
9980.0	CW	LCJ	Oslo (Jeloej), Norway	FX	40.0	Nx 1100-1200 1700-1800
9981.1	250/...e	....	unknown	FX	....
9982.0	USB	....	numerous, Australia nationwide	FX	0.1	Commercial Tfc
9982.5	FAX	KVM7Ø	Honolulu (International), HI	AX	10.0	Meteo (1140-1330)
9983.0	*FAX	LOK	Orcadas Radio, S. Orkney Is.	FX	0.2	(NOAA reports wx broadcast at 1625--September to March)
9984.1	CW	"YQBF"	unknown	FX	....
9985.0	850/...e	....	several, worldwide	FX	....	USN
9985.4		FTJ98/H3	Paris (St Assise), France	FX	10.0	AFP Nx PP 0215-0400 [Beamed to Central & South America]
9987.8	1000/75Nc	....	unknown	FX	....
9990.0	CW	LTYY99	Buenos Aires, Argentina	FX	5.0	Police
9990.0	FAX	GPX	Ho Chi Minh City, Vietnam	FX	....	VNA Nx 0800-0900
9991.0	LSE	....	Lord Howe Island, Australia	FX	....	Tfc/Sydney/9380
9991.0	USB	AF1	"Air Force One" (in flight)	MA	....	USAP VIP a/c
9992.5	850/75R	NAU	NAVCOMMSTA San Juan, PR	FX	40.0	USN
9993.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
9994.1	850/50N	CSY65	Santa Maria Aeradio, Azores	FX	2.0	[LSA] Meteo
9995.0 - 10,005.0 kHz — STANDARD FREQUENCY & TIME SIGNALS						
9996.0	CW	RWN	Moscow, USSR	SS	5.0	TIME SIGNALS
10,000.0	A2	LOL1	Buenos Aires, Argentina	SS	2.0	" "
10,000.0	CW	BPM	Xian, PRC	SS	50.0	" "
10,000.0	A2	MSF	Teddington, England	SS	0.5	" "
10,000.0	AM	WVNH	Kauai, HI	SS	10.0	" "
10,000.0	A2	ATA	New Delhi, India	SS	8.0	" "
10,000.0	AM	JJY	Tokyo (Sanwa, Ibaraki), Japan	SS	2.0	" "
10,000.0	CW	RTA	Novosibirsk, USSR	SS	5.0	" "
10,000.0	CW	RCH	Tashkent, USSR	SS	1.0	" "
10,000.0	AM	WVW	Fort Collins, CO	SS	10.0	" "
10,003.0 - 10,005.0 kHz — STANDARD FREQUENCY/TIME/SPACE RESEARCH						
10,004.0	CW	RID	Irkutsk, USSR	SS	1.0	TIME SIGNAL
10,005.0 - 10,100.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
10,009.8	850/...e	....	unknown	FX	....
10,010.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....
10,010.9	350/75Rc	....	unknown	FX	....
10,012.0	USB	....	numerous, mostly BC, Canada	FA/MA	...	Includes: VXD45,

kHz	Mode	Call	Location	Service	kW	Remarks
			Claw Mountain; VXD60, Vancouver; VXE28, Sturdystrip; etc.			
10,015.0	USB	CMI32	Rancho Boyeros Radio, Cuba	FA/MA	0.3	
10,018.0	USB	....	numerous (ICAO MID-2)	FA/MA	...	Airports & en-route throughout the Middle East to India—usually heard are the Bombay, Calcutta, Karachi, Kuwait, Lahore, New Delhi, Oman (Seeb Int'l.), etc. airports
10,020.0	425/...e	....	unknown	FX	....
10,021.0	USB	....	Bucharest Radio, Rumania	FA/MA	...	
10,024.0	USB	....	numerous (ICAO NW-SAM/SW-SAM)	FA/MA	...	Airports & en-route covering virtually all of western and southern South America—usually heard are the Antofagasta, Arica, Asuncion, Bogota, Buenos Aires, Cali, Chiclayo, Cordoba, Easter Island, Guayaquil, Iquitos, La Paz, Lima, Mendoza, Montevideo, Panama City, Punta Arenas, Quito, Salta, Santa Cruz, Santiago, etc. airports
10,025.0	CW	COL	Havana Aeradio, Cuba	FA/MA	...	USSR Aeroflot
10,025.0	CW	RFNV	Moscow (Sheremetievo) Aeradio, USSR	FA	....	Meteo wx (10+40)
			Also working Aeroflot in-flight to/from Havana/Moscow			
10,025.7	425/50R	VTP	Bombay Naval, India	FX	....	[RBSL] Indian Navy
10,027.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Bucharest, Las Palmas, Madrid, Prague, Rome, Santo Domingo, Toronto, etc. airports
10,027.7	425/50R	....	unknown	FX	....	groups of 4 numbers
10,030.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Berlin (Schfeld) [Y4A], GDR, Buenos Aires, Khabarovsk, Moscow, San Salvador, Santiago, Tashkent, etc. airports
10,033.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities in Honolulu, Kinshasa, Kuwait, Muscat, Tunis, etc. airports
10,039.0	USB	....	several, throughout Mexico	FA/MA	...	
10,039.0	USB	....	numerous, through eastern USSR	FA/MA	...	
10,040.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....
10,041.2	RTTY	....	Mogadishu, Somalia	....	....
10,042.0	USB	....	numerous (ICAO EA-1/EA-2)	FA/MA	...	Regionally allocated to Asia—filed are the Beijing, Chita, Guangzhou, Irkutsk, Khabarovsk, Pyongyang, Ulan Bator, Ulan Ude, etc. airports
10,045.6	CW	"E"	unknown	RC	....	Beacon
10,048.0	USB	....	several (ICAO NP-3 & NP-4)	FA/MA	...	Airports & en-route covering the North Pacific Ocean near the Arctic—usually heard are the Anchorage, Beijing, Cold Bay, Shanghai, Tokyo, etc. airports
10,051.0	USB	VFG	Gander Radio, Nfld., Canada	FA	....	VOLMET
10,051.0	USB	WSY70	New York Radio, NY	FA	....	VOLMET
10,055.0	350/...e	....	unknown	FX	....
10,056.0	425/...e	....	unknown	....	....
10,057.0	USB	....	Brazzaville Radio, Congo	FA	1.5	VOLMET/FF/EE
10,057.0	USB	....	Nairobi Radio, Kenya	FA	....
10,057.0	USB	....	Antananarivo Radio, Madagascar	FA	5.0	
10,057.0	USB	....	Jo'Burg (Jan Smuts) Radio, RSA	FA	....
10,059.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	100.0	Domestic Service
10,060.0	USB	PRJ652	Recife Radio, Brazil	FA/MA	0.5	
10,060.0	USB	PRQ863	Belem Radio, Brazil	FA/MA	0.5	
10,060.0	USB	PYD753	Congohas Radio, Brazil	FA/MA	0.5	
10,060.0	425/75R	BXT5	unknown	FX	....	PRC EMBASSY
10,062.0	850/50N	....	unknown	FX	....	Tfc/Polish
10,063.5	170/FEC	....	unknown	FX	....
10,065.0	425/50N	....	unknown	....	....	letters in groups of 5
10,066.0	USB	....	numerous, throughout Alaska	FA/MA	...	
10,066.0	USB	....	numerous (ICAO SEA-1)	FA/MA	...	Airports & en-route primarily covering the Indian Ocean—usually heard are the Bangkok, Bombay, Calcutta, Cocos, Colombo, Dhaka, Jakarta, Kathmandu, Kuala Lumpur, Madras, Male Int'l., New Delhi, Rangoon, Singapore, etc. airports
10,069.0	USB	....	several (LDOC)	FA/MA	...	Usually heard are the Berne [HEE51] and Rio de Janeiro airports
10,072.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities at the Auckland, Bombay, Jakarta, London, Seoul, Suva, etc. airports

kHz	Mode	Call	Location	Service	kW	Remarks
10,072.5	CW	"E"	unknown	RC	....	Beacon
10,073.0	USB	...	unknown	....	....	....
10,074.0	850/...e	....	unknown	....	....	1853
10,075.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities at the Beirut, Houston, Kabul, Kigali, Harawe, etc. airports
10,078.0	USB	....	numerous (LDOC)	FA/MA	...	Usually heard are carriers with facilities at the Athens, Brussels, Frankfurt Luqa, Singapore, Sydney, etc. airports
10,078.0	425/75R	BXR75	unknown	FX	....	PRC EMBASSY
10,080.0	425/50R	BMB7	Kunming, PRC	FX	5.0	Tfc/Beijing
10,080.0	425/50R	†SUC	Cairo Aeradio, Egypt	AX	....	....
10,080.0	AM	....	Brdcst in African mx	BC	....	....
10,081.0	USB	....	numerous (ICAO CWP-1/CWP-2)	FA/MA	...	Airports & en-route throughout the western Pacific--usually heard are the Beijing, Guam/Agana, Guangzhou, Hong Kong, Honolulu, Manila, Okinawa/Naha, Port Poresby, Seoul, Shanghai, Tokyo, etc. airports
10,082.0	425/75R	BXT23	unknown	....	....	1850
10,084.0	USB	....	numerous (ICAO EUR-A)	FA/MA	...	Airports & en-route throughout most of Central Europe--usually heard are the Arkhangelsk, Athens, Beirut, Berlin/Schoenefeld, Berlin/Tempelhof, Bucharest, Budapest, Cairo, Gdynia, Istanbul, Leningrad, Luqa, Minsk, Moscow, Nicosia, Riga, Rome, Sofia, Tel Aviv/Ben Gurion, Tunis, Vilnius, Volgda, etc. airports
10,086.0	425/50N	....	unknown, probably in NA	FX	....	FOXES
10,087.0	USB	....	New frequency available for VOLMET stations in South America	....	....	....
10,087.1	170/...e	....	unknown	FA	....	....
10,090.0	USB	....	Moscow (Sheremetievo) Radio, USSR	FA	....	VOLMET (25+55)
10,090.0	USB	....	Khabarovsk Radio, USSR	FA	....	VOLMET
10,090.0	USB	....	Kiev Radio, Ukrainian SSR	FA	....	VOLMET
10,090.0	USB	....	Novosibirsk Radio, USSR	FA	....	VOLMET (10+40)
10,090.0	USB	....	Tashkent Radio, Uzbek SSR	FA	....	VOLMET (05+35)
10,090.0	CW	....	unknown	FX	....	DEVES FOX
10,091.0	425/75R	BXT23	unknown	....	....	....
10,093.0	USB	VIS56	Sydney Radio, NSW, Australia	FA	1.5	....
10,096.0	USB	....	numerous (ICAO C-SAM/NE-SAM/SE-SAM/SAT-2)	FA/MA	....	Airports & enroute throughout all of South America--usually heard are Asuncion, Belem, Buenos Aires, Bogota, Brasilia, Campo Grande, Leticia, Manaus, Montevideo, Paramaribo, Porto Alegre, Porto Velho, Recife, Rio de Janeiro, Santa Cruz, Sao Paulo, etc. airports
10,097.0	CW	†OBT	Talara, Peru	AX	....	Aero Tfc

10,100.0 - 10,150.0 kHz — AMATEUR RADIO (Shared)

10,100.0 - 11,175.0 kHz — FIXED STATIONS (Worldwide)

10,100.0	425/50R	....	unknown	....	....	....
10,100.0	425/75N	....	unknown, Tfc to Leningrad	....	....	....
10,100.0	CW	UGE2	Bellingshausen Base, Antarctica	FX	....	USSR
10,100.0	CW	CBT	Maputo, Mozambique	FX	....	cig RUZU
10,100.5	CW	†KNY28	Washington, DC	FX	1.0	Algerian EMBASSY
10,101.0	425/75N	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
10,102.0	USB	CGR756	unknown, probably Canadian	FX	....	....
10,102.4	425/50N	"3XA"	unknown	AX	....	....
10,104.0	CW	"WDN"	unknown	....	....	....
10,105.0	USB	LSX31	Buenos Aires, Argentina	FX	0.1	Commercial Tfc
10,105.0	USB	....	numerous, among Caribbean islands	FX	....	Hurricane Emergency Net--Antigua, Barbadoes, Dominica, Grenada, Montserrat, St. Kitts, St. Vincent, etc.
10,105.0	425/50R	†FDY	Orleans Air, France	FX	....	French AF
10,105.0	425/...e	....	Villacoublay Air, France	FX	5.0	French AF
10,105.0	425/50R	RKA79	Moscow, USSR	FX	20.0	Bakhtar Nx EE (Not on Saturdays) 0415-0545 TASS Nx FF 1615-2200 TASS Nx EE 1530-1900, [Beamed to West Africa]
10,106.0	FAX	....	unknown	....	....	1855

kHz	Mode	Call	Location	Service	kW	Remarks
10,107.5	850/50N	FRK	Paris (Vernon), France	FX	20.0	
10,108.0	170/50R	CLN280	Havana (Bauta), Cuba	FX	20.0	Tfc/Montevideo
10,110.0	*170/75R	SRZ2922	Warsaw, Poland	FX	1.0	Yugoslav EMBASSY
10,110.0	F7B	RPT31	Tashkent, Uzbek SSR	FX	20.0	
10,112.0	425/75R	FY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	Meteo
10,113.1	425/50N	....	unknown	FX	....	RWYRWY
10,113.6	425/50R	†CXK	Carrasco Aeradio, Uruguay	AX	....
10,114.0	425/50R	KPL2	Vientiane, Laos	FX	....	KPL Nx EE 0900-1030
10,114.8	500/...e	....	unknown	FX	....
10,115.0	CW	8PX45	Bridgetown, Barbados	FX	0.2	Tfc/HIA36
10,115.0	FAX	BAF4	Beijing, PRC	FX	35.0	Meteo
10,115.0	CW	CEH5A	Santiago, Chile	FX	....	QRA
10,115.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
10,115.0	F7B	RRI	Novosibirsk, USSR	FX	20.0	
10,115.0	475/...e	....	unknown, probably in Far East	FX	....
10,116.5	170/75R	CLN282	Havana (Bauta), Cuba	FX	20.0	Tfc/Algiers
10,118.5	425/100R	OEM60	Vienna Aeradio, Austria	AX	5.0	Meteo/Aero
10,118.5	USB	BAP43	Beijing, PRC	FX	10.0	XNA/Tfc/Tokyo
10,120.0	850/50R	†VTP31	Bombay Naval, India	FX	1.0	[RBSL] Indian Navy
10,120.0	F1B	HMK59	Pyongyang (Jungsan), North Korea	FX	5.0	KCNA
			[Beamed to Eastern North America]			
10,120.0	425/50R	RSP72	Khabarovsk, USSR	FX	5.0	Meteo
10,120.0	425/50R	RG124	Moscow, USSR	FX	15.0	TASS Nx FF 1600-1900
			[Beamed to West Africa]			
10,120.0	USB	†RG124	Moscow, USSR	FX	15.0	R. Moscow Feeder
10,122.0	USB	BB120	Shanghai, PRC	FX	25.0	Tfc/New Delhi
10,122.5	650/50N	AWC	Calcutta Aeradio, India	AX	2.5	
10,123.0	FAX	†SUU2	Cairo, Egypt	FX	2.0	Meteo
10,124.0	850/50N	5BC45	Nicosia, Cyprus	FX	3.0	
10,125.0	425/50R+N	OLG3	Prague, Czechoslovakia	FX	30.0	Tfc/Beirut to Tirana
10,125.0	170/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	2.5	Meteo
10,125.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
10,125.0	CW	"YQBF"	unknown	FX	....	clg "XUQC"
10,125.2	850/50R	†9LL46	Freetown, Sierra Leone	FX	3.5	
10,128.0	B9W	JBE30	Tokyo, Japan	FX	10.0	Tfc
10,130.0	850/75N	NGD	McMurdo Station, Antarctica	FX	15.0	USN
10,130.0	B7W	†JBE40	Tokyo (Nazaki), Japan	FX	15.0	
10,130.0	FAX	RBW48	Murmansk, USSR	FX	20.0	Meteo
10,130.0	425/50R	RBX73	Tashkent, Uzbek SSR	FX	5.0	Meteo
10,130.0	850/...e	NAA	NAVCOMMSTA Cutler, ME	FX	40.0	USN
10,132.5	CW	S9Y2	Sao Tome, Sao Tome and Principe	AX	....	Tfc/Luanda
10,133.0	425/...e	....	unknown	....	....
10,134.0	CW	....	unknown	FX	....	Coded Tfc
10,135.0	USB	....	numerous, in Brazil	FX	....	Net
10,135.0	USB	....	unknown	FX	....	2/YL's/PP/reading #'s
10,135.0	B8E	IRH31	Rome (Torrenova), Italy	FX	10.0	Telcom
10,135.0	AM	....	unknown	....	....	NUMBERS/YL/GG
10,135.0	850/...e	....	several, North Pacific area	FX	1.0	USN
10,135.6	525/50Rc	....	unknown	FX	....
10,136.0	CW	"UMI2"	unknown	....	....	clg YQFE
10,136.6	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA, NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC—plus transportables) [Alt: 9125.6 & 11,434.6]
10,137.1	575/50N	TNL96	Brazzaville Aeradio, Congo	AX	1.5	Aero/Meteo
10,140.0	CW	UGE2	Bellingshausen Base, Antarctica	FX	....	USSR
10,140.0	*425/50Rc	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
10,140.0	USB	....	numerous, throughout Australia	FX	0.1	Commercial Tfc
10,140.0	USB	VH2/4/6	unknown	....	....
10,141.0	USB	5BC46	Nicosia, Cyprus	FX	....	Telcom
10,142.0	F1B	PAC27	Katwijk Naval, Netherlands	FX	....	Dutch Navy
10,144.0	425/75N	....	Stockholm, Sweden	FX	....	Czech Embassy
10,144.5	LSB	....	several, Ghana, Ivory Coast & Niger	FX	1.0	W.H.O.
10,144.7	500/50R	....	New Delhi, India	FX	....	EMBASSY
10,144.9	B7W	HBO20	Geneva, Switzerland	FX	10.0	Tfc
10,145.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
10,147.0	USB	TUP	Abidjan, Ivory Coast	FX	2.0	Telcom
10,148.0	425/50R	YOK21	Bucharest, Rumania	FX	3.0	
10,148.0	LSB	....	unknown	FX	....	Telcom/SS
10,148.4	CW	....	unknown	FX	....	Coded Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
10,149.0	USB	....	unknown	FX	....	telcom
10,150.0	425/50R	Y3A2	Berlin (Nauen), GDR	FX	20.0	Tfc/Jakarta
10,150.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (In- cludes: SAM20, Athens, Greece; SAM25, Lisbon, Portugal; SAM30, Madrid, Spain; SAM35, Belgrade, Yugoslavia; SAM36, Budapest, Hungary & SAM39, Prague, Czechoslovakia)
10,150.4	425/50N	RZB76	Vladivostok, USSR	FX	5.0	Meteo
10,150.9	425/50R	SUA246	Cairo, Egypt	FX	10.0	MENA Nx AA 0600-end [Non-directional]
10,152.2	F7B	UF00	Vorochilovgrad, USSR	FX	60.0	
10,153.0	425/50R	SOK215	Warsaw, Poland	FX	20.0	Tfc/SA
10,153.0	425/50N	....	unknown	FX	....	EE/Text
10,153.5	170/50R	CLN254	Havana (Bauta), Cuba	FX	20.0	
10,153.0	350/50N	9KT281	Kuwait, (Huban), Kuwait	FX	....	KUNA EE Nx
10,154.0	CW	....	unknown	FX	....	Coded Tfc
10,155.0	USB	FPK5	Paris (St. Assise), France	FX	10.0	Telcom/Tfc
10,155.0	CW	RMD53	Moscow, USSR	FX	20.0	
10,155.0	F7B	RMD53	" "	FX	20.0	
10,155.0	250/...e	....	unknown	FX	....
10,155.0	USB	....	unknown, probably in Central America	FX	....	Net/SS/SSQSO 2 stus.
10,157.0	500/...e	....	unknown	FX	....
10,157.0	250/...e	....	unknown	FX	....
10,157.0	CW	....	unknown	FX	....	"ZOP ASS PSE"
10,157.1	350/50N	....	Hubau, Kuwait	FX	....	KUNA
10,159.9	525/...e	....	unknown	FX	....	Idling
10,160.0	USB	AZG611	Salta, Argentina	FX	....	Tfc
10,160.0	575/75Rc	RG123	Moscow, USSR	FX	20.0	APN
10,160.0	850/50N	CWO	Montevideo (Cerrito), Uruguay	FX	5.0	
10,160.5	500/50Nc	....	unknown	FX	....
10,161.2	170/50R	†R1FAQ	Milan, Italy	FX	....	Italian Army
10,162.5	201/50R	Y1L70	Baghdad, Iraq	FX	30.0	INA Nx AA 1300-2000 [Beamed to Africa & the Middle East]
10,163.0	425/50R	BAS24	Beijing, PRC	FX	10.0	INA Nx AA 0700-2000
10,164.0	USB	SAM	Stockholm, Sweden	FX	1.2	Tfc/Karachi
10,164.0	USB	SAM38	Moscow, USSR	FX	1.0	EMBASSY
10,165.0	USB	....	numerous, Brazil nationwide	FX	....	Swedish EMBASSY
10,165.0	850/50N	JCA50	Tokyo, Japan	FX	5.0	Net
10,165.0	CW	....	unknown	FX	....	Tfc/Paris
10,165.0	*425/50R	RPT31	Tashkent, Uzbek SSR	FX	50.0	Coded Tfc
						TASS Nx FF 1200-1500 1515-2300 [Beamed to Southeast Asia]
10,165.0	...	....	unknown	....	....	TASS Nx SS
10,166.6	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam--plus transport- ables) [Alt: 9125.6 & 11,434.6]
10,167.0	425/...e	....	unknown	FX	....
10,168.0	170/75R	†NMC	COMMSTA San Francisco, CA	FX	....	USCG
10,169.4	750/50N	HSW63	Bangkok, Thailand	FX	....	Meteo
10,170.0	USB	....	numerous, Australia nationwide	FX	....	Commercial Tfc
10,170.0	USB	VJ5CM	Adelaide, SA, Australia	FX	0.1	wkg VJ5B0
10,170.5	425/50Rc	RBK76	Moscow, USSR	FX	20.0	
10,175.0	B8E	CUA53	Lisbon (Alfragide), Portugal	FX	5.0	Telcom/Tfc
10,175.8	750/50N	ARA	Karachi Aeradio, Pakistan	AX	....	[PWA] Tfc/Lahore tfc to Islamabad abt jets
10,177.8	LSB	....	unknown	FX	....	Telcom
10,178.8	450/50N	....	unknown	FX	....	RYRY
10,180.0	850/50R	RG122	Moscow, USSR	FX	15.0	
10,182.5	850/50Nc	....	unknown	FX	....
10,185.0	.....	†FPK8	Paris (St. Assise), France	FX	20.0	
10,185.0	170/50N	JYF3	Amman, Jordan	FX	5.0	JNA
10,185.0	FAX	†JTD27	Ulan Bator, Mongolia	FX	10.0	Meteo
10,185.0	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	USAF/Meteo
10,186.0	FAX	....	unknown	FX	....
10,186.0	425/75N	....	unknown	FX	....	EMBASSY
10,186.0	USB	....	unknown	FX	....	Net/SS
10,187.5	425/50R	CNM27	Rabat (Tangier), Morocco	FX	10.0	
10,188.5	CW	....	unknown	FX	....	NUMBERS
10,190.0	170/75R	CLN285	Havana (Bauta), Cuba	FX	20.0	

kHz	Mode	Call	Location	Service	kW	Remarks
10,190.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,190.0	850/50R	RGE35	Moscow, USSR	FX	20.0	
10,190.5	USB	KFK92	Kitts Peak, Tucson, AZ	FX	1.0	Tfc/Chile
10,193.5	USB	FPK9	Paris (St. Assise), France	FX	20.0	Telcom
10,195.0	425/50R	RCR76	Khabarovsk, USSR	FX	5.0	Meteo
10,195.0	850/50R	RG121	Moscow, USSR	FX	20.0	
10,197.4	*B9W	LCN2	Oslo (Jeloey), Norway	FX	10.0	Tfc
10,199.8	500/50N	JAE50	Tokyo (Oyama), Japan	FX	20.0	JPS Nx EE 1100
10,200.0	850/50N	9VF58	Singapore	FX	5.0	
10,200.0	170/50R	EEQ	Madrid, Spain	FX	1.0	Police Net Control
10,200.3	B9W	TMUA2	London (Stanbridge), England	FX	10.0	DCN
10,206.4	LSB	ART	Rawalpindi, Pakistan	FX	1.0	Tfc/Ankara
10,208.0	USB	....	Belem Aeradio, Brazil	AX	1.0	Tfc/Paramaribo
10,208.6	400/....e	....	unknown	FX	....
10,209.8	425/50N	Y7A43	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
10,210.0	425/50N	BZC75	Wulumuqi, PRC	FX	1.0	Meteo
10,210.0	USB	MKA	London (Stanbridge), England	FX	1.0	DCN
10,210.0	425/75Ne	CUZ54	Gloria, Portugal	FX	3.0	RFE/RL Talkback
10,210.0	CW	....	numerous, worldwide	FX	....	US Army
10,213.0	425/50R	CNM29	Rabat (Tangier), Morocco	FX	10.0	MAP
10,215.0	CW	"U"	unknown	RC	....	Beacon/NN groups of 5
10,215.0	425/100N	HZN48	Jeddah, Saudi Arabia	FX	10.0	Meteo
10,215.0		HZN	unknown	....	
10,216.2	USB	↑....	Guantanamo, Cuba	FX	....	Telcom
10,217.0	USB	....	numerous, in Brazil	FX	....	Net
10,217.0	170/50N	DER	Bonn, GFR	FX	2.0	Tfc/Wiesbaden
10,217.0	USB	....	several, throughout RSA	FX	1.0	Governmental
10,218.5	AM	....	unknown	FX	....	NUMBERS/SS/YL
10,220.0	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
10,220.1	FAX	RDW76	Khabarovsk, USSR	FX	20.0	Meteo
10,221.0	425/50R	BAY57	Beijing, PRC	FX	5.0	Tfc/Moscow
10,222.6	USB	WEM20	New York, NY	FX	20.0	Telcom
10,224.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	50.0	Domestic Service
10,225.0	FAX	↑....	Brasilia, Brazil	FX	....	Meteo
10,228.5	425/50R	SOK222	Warsaw, Poland	FX	35.0	Tfc/New York
10,230.0	425/50R	BCP22	Shanghai, PRC	FX	35.0	Tfc/San Francisco
10,230.0	850/50N	JBE70	Tokyo, Japan	FX	10.0	
10,230.0	FAX	RKA78	Moscow, USSR	FX	15.0	
10,233.4	USB	....	unknown, possibly in Cuba	FX	....	Telcom/SS
10,233.5	CW	....	unknown	FX	....	TIME Pips/Tfc
10,235.0	USB	....	numerous, in Brazil	FX	....	Net
10,235.0	425/50R	BAB93	Beijing, PRC	FX	25.0	Tfc/Rome
10,235.0	850/50N	3MA99	Tienmu, PRC	FX	20.0	Tfc/USA
10,235.0	850/50R	RWG57	Moscow, USSR	FX	15.0	
10,235.0	LSB	....	Greenville, NC	FX	50.0	VOA Feeder
10,238.0	LSB	....	Greenville, USA	FX	....	VOA Feeder/0312/EE
10,238.5	375/50N	....	unknown			
10,239.5	425/50R	RGE34	Moscow, USSR	FX	20.0	Bakhtar Nx EE
				0415-0545		[Beamed to Europe]
						TASS Nx PP 0600-0800
						TASS Nx EE 1415-2400
						[Beamed to Southeast Asia]
						TASS Nx PP 1600-1900
10,241.2	425/75Nc	....	unknown	FX	....
10,241.9	USB	....	unknown	FX	....	Telcom/PP
10,243.0	USB	....	Noumea Radio, New Caledonia	AX	0.4	
10,245.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Domestic Service
10,245.0	425/50R	SOK224	Warsaw, Poland	FX	20.0	Tfc
10,246.0	USB	....	several, along USA west coast	FX	....	USN
10,250.0	*850/....e	NDT6	NAVCOMMSTA Yokosuka, Japan	FX	1.0	USN
10,250.0	FAX	....	Madrid (Vicalv), Spain	AX	5.0	Meteo (NOAA
						reports transmissions at 0410 & 1555)
10,254.0	LSB	....	Greenville, NC	FX	....	VOA Feeder/PP
10,255.0	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
10,255.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	USN/Meteo
10,255.0	FLB	NWU	...	FX	0.6	USN
10,256.4	USB	AQI286	Karachi, Pakistan	FX	1.0	Net Control
10,257.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
10,258.0	425/50R	RDZ71	Moscow, USSR	FX	20.0	TASS Nx AA 1530-1900
						[Beamed to West Africa]

kHz	Mode	Call	Location	Service	kW	Remarks
10,259.0	425/75N	RCF	Kupavna, USSR	FX	....	Coded Tfc
10,260.0	850/...e	VEN	Nanaimo, BC, Canada	FX	10.0	C. Forces
10,260.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	120.0	Domestic Service
10,262.0	170/50*	MKG	London, England	FX	....	DCN
10,263.8	CW	....	unknown	FX	....
10,264.0	CW	ZBP	Pitcairn Island	FX	0.7	Tfc/Suva
10,264.5	CW	....	unknown, probably in USSR	FX	....	TIME Pips/Tfc
10,265.0	425/50R	BAS4	Beijing, PRC	FX	10.0	Tfc/New Delhi
10,265.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	....	USN
10,268.4	USB	....	unknown	FX	....	Tfc/Net/FF
10,268.5	CW	AFH39	March AFB, CA	FX	2.0	USAF
10,269.0	AM	....	Monaco, Monaco	FX	....	Feeder
10,270.0	425/50R	RKA25	Moscow, USSR	FX	15.0	TASS Nx EE 1300-2400
						[Beamed to Southeast Asia]
10,270.0	425/50R	RKA25	unknown		....	//RRQ27/RRE31/RGE36
10,270.0	USB	....	unknown	FX	....	Net
10,271.0	170/ARQ	....	unknown	FX	....	too weak
10,271.0	170/ARQ	....	unknown	FX	....	SRSRSRSR
10,272.0	850/50Nc	....	unknown, probably in USSR	FX	....
10,273.5	USB	BAZ8	Beijing, PRC	FX	10.0	Tfc/Warsaw
10,273.5	USB	BBT21	Shanghai, PRC	FX	25.0	Tfc/New Delhi
10,273.5	USB	....	Vandenberg AFB, CA	FX	....	USAF/WSMC
10,275.0	850/50R	PPN9	Brasilia, Brazil	FX	....	Meteo
10,275.0	B8E	9VF251	Singapore (Jurong)	FX	10.0	Telcom/Tfc
10,275.0	USB	....	unknown	FX	....	Tfc/YL/RR
10,277.5	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
10,277.8	*850/50N	....	unknown	FX	....	Coded Tfc
10,278.0	425/50R	SOK227	Warsaw, Poland	FX	20.0	
10,278.8	425/50R	YZA9	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx FF
				1700-1800		[Non-directional]
						TANJUG FF
10,278.8		YZA9	unknown			
10,278.8	CW	....	unknown, associated with RTTY on 10,277.8			
10,280.0	USB	L TZ	Buenos Aires, Argentina	FX	5.0	Government
10,280.0	170/50*	MKG	London (Stanbridge), England	FX	2.5	DCN
10,282.0	170/75Rc	....	unknown	FX	....
10,283.0	B9W	A1E	Andersen AFB, Guam	FX	30.0	USAF
10,284.0	225/75Rc	....	unknown	FX	....
10,284.1	*170/...e	....	unknown	FX	....	Coded Tfc
10,285.0	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
10,285.2	CW	"U"	unknown	RC	....	Beacon
10,287.0	B9W	CSY53	Santa Maria Aeradio, Azores	AX	10.0	Tfc/Lisbon
10,288.0	425/50R	XVG65	Ho Chi Minh City, Vietnam	FX	2.0	Tfc/Singapore
10,289.0	USB	CSY53	Santa Maria Aeradio, Azores	AX	10.0	Tfc
10,289.5	CW	RG642	Kuybychev, USSR	FX	20.0	Tfc
10,290.0	425/50R	Y3A4	Berlin (Nauen), GDR	FX	20.0	
10,290.0	USB	....	unknown	FX	....	Net
10,290.0	CW	"E"	unknown	RC	....	Beacon
10,295.0	425/50N	OEQ44	Vienna, Austria	FX	1.0	INTERPOL
10,295.0	170/50N	ONA20	Brussels, Belgium	FX	3.0	"
10,295.0	170/50N	OWS3	Copenhagen, Denmark	FX	0.2	"
10,295.0	170/50N	GMP	London (W. Wickham), England	FX	1.0	"
10,295.0	170/50N	....	Helsinki, Finland	FX	1.0	"
10,295.0	170/ARQ	FSB71	Paris (St. Martin Abbat), France	FX	5.0	"
10,295.0	170/50R	FSB71	"	FX	5.0	"
10,295.0	170/50N	IUV81	Rome, Italy	FX	5.0	"
10,295.0	170/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
10,295.0	170/50N	CSJ25	Lisbon, Portugal	FX	1.0	"
10,295.0	170/ARQ	LJP	Oslo, Norway	FX	....	INTERPOL
10,295.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
10,295.0	170/50N	HEP95	Zurich (Waltikon), Switzerland	FX	3.0	"
10,295.0	850/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	"
10,295.0	USB	....	New York	FX	....	VM
10,296.0	USB	OECA4	Tel Aviv, Israel	FX	2.0	Austrian EMBASSY
						[Alt: 7890.0 & 13,617.0]
10,296.0	850/50R	ZRH76	Cape (Fisantekraal) Naval, RSA	FX	10.0	[RSVI] RSA Navy
10,298.0	850/50N	....	Portete, Columbia to Dadeland, FL			EE/SS
10,298.0	850/...e	....	Paris Air, France	FX	2.5	French AF
10,298.0	425/50N	OECA4	Tel Aviv, Israel	FX	1.0	Austrian EMBASSY
10,298.5	170/50N	HSW62	Bangkok, Thailand	FX	3.0	Meteo
10,299.0	425/50N	COR	Havana, Cuba	FX	....	Meteo

kHz	Mode	Call	Location	Service	kW	Remarks
10,300.0	425/50R	....	Kinshasa, Zaire	FX	....	AZAP Nx FF 1600-1730
10,300.0	CW	....	unknown	FX	....	Coded Tfc
10,300.0	FAX	....	unknown			0254
10,301.0	USB	VH6	Listed for this freq		....
10,301.6	425/75R	....	unknown			FOXES & SS text
10,301.6	425/75R	....	unknown	FX	....	FOXES
10,302.0	USB	"SYN2"	unknown		....	YL/EE
10,305.0	F7B	UTYN	Donetsk, Ukrainian SSR	FX	60.0	
10,305.0	B8E	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	2.5	USAF/NASA
10,305.0	USB	....	ORION COORDINATOR & ABNORMAL 10			
10,305.0	USB	....	unknown			
10,307.2	CW	FDY	Orleans Air, France	FX	....	French AF
10,307.5	*850/50R	OLG4	Prague, Czechoslovakia	FX	30.0	[JXS] Tfc/Beijing
10,308.5	425/50R	FDY	Orleans Air, France	FX	....	French AF
10,310.0	170/ARQ	ELE10	Harbel, Liberia	FX	15.0	Tfc
10,310.0	B9W	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	45.0	USAF/NASA
10,314.6	USB	....	unknown	FX	....	Telcom
10,315.0	425/...e	....	unknown		....
10,315.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,315.0	USB	....	unknown	FX	....	Net
10,315.2	FSK	....	unknown	FX	....
10,316.4	LSB	....	unknown, NASA brdcast of Shuttle launch			
10,318.0	B9W	AIC	Clark AB, Philippines	FX	20.0	USAF
10,320.0	USB	FTK32	Paris, France	FX	....	Telcom
10,320.0	425/50R	HGX21	Budapest, Hungary	FX	....	EMBASSY
10,320.0	850/...e	...	unknown	FX	...	Idling
10,321.0	425/50R	BAA8	Tianjin, PRC	FX	2.0	Meteo
10,322.0	850/50R	....	Warsaw, Poland	FX	....	Belgium EMBASSY
10,323.0	CW	CWQ	San Gregorio, Uruguay	FX	....	Military
10,324.8	525/75Rc	....	unknown, probably in eastern USSR	FX	....
10,327.0	F1B	HEF7	Berne, Switzerland	FX	4.0	Tfc/Ankara
10,330.0	B9W	AID	Kadena AB, Okinawa, Japan	FX	10.0	USAF
10,330.0	USB	....	Port Moresby Radio, Papua New Guinea	AX	1.0	Tfc/Honiara
10,330.0	850/50R	RKA76	Moscow, USSR	FX	20.0	Meteo
10,333.6	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI, Sellia Marina, Italy; NCI4, Kargaburun, Turkey and NCI10, Rhodes) [Alt: 9474.0]
10,334.8	USB	....	unknown	FX	....	Net/AA
10,335.0	AM	....	ALL INDIA RADIO, New Delhi, India	BC	....	External Service
10,335.0	CW	RPC21	Kiev, Ukrainian SSR	FX	20.0	Tfc
10,335.1	CW	....	unknown	FX	....	NOTAM Bcbest
10,335.5	850/50N	EPD52	Teheran Aeradio, Iran	FX	5.0	
10,336.0	850/50N	JTD29	Ulan Bator, Mongolia	FX	10.0	MONTSAME Nx EE
10,336.9	275/75R	....	unknown	FX	....	1600-1900 (Not on Sundays)
10,337.5	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	Data
10,337.5	USB	†....	Norwegian Sea & N. Atlantic Ocean LORAN Net	..	USCG (Includes: DML, Sylt, GFR; JXL, B0, Norway; JXP, Jan Mayen Is.; NMS, Shetland Is.; OUN, Ejde, Denmark; OVY, Angissog, Greenland; TFR, Sandur, Iceland & TFR2, Reykjavik, Iceland) [Alt: 7512.5]	
10,338.0	USB	†RME21	Moscow, USSR	FX	50.0	R. Moscow Feeder
10,339.0	475/50N	"VY5D"	unknown	FX	....	mixed codes/encrypted Tfc
10,340.0	425/50R	ULV	Moscow, USSR	FX	....
10,340.0	FAX	WFK50	New York, NY	FX	50.0	AP Nx
10,340.0	FSK	WFK50				AP Nx
10,342.0	850/75Rc	....	unknown	FX	....
10,343.5	USB	†....	unknown	FX	....	Telcom/PP/SS
10,344.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
10,344.0	USB	AGB4	Wake Island	FX	1.0	USAF
10,354.0	LSB	....	unknown	....	EE Telecom to London	
10,345.0	850/50R	LRB34	Buenos Aires, Argentina	FX	1.0	TELAM Nx SS
10,346.6	475/75Rc	....	unknown	1200-2300	[Non-directional]	
10,348.0	850/50R	SOK234	Warsaw, Poland	FX	....
10,348.5	170/75R	CLN287	Havana (Bauta), Cuba	FX	20.0	
10,349.0	375/50N	....	unknown	FX	100.0	Tfc/Moscow
10,350.2	500/50R	....	Kathmandu, Nepal	FX	....	Coded Tfc
10,351.5	CW	CSU4	Maderia Air	FX	....	[KTM] Telegrams
10,354.0	LSB	....	Greenville, NC	FX	50.0	French AF
						VOA Feeder/PP

kHz	Mode	Call	Location	Service	kW	Remarks
10,355.0	850/50R	BAM3Ø	Beijing, PRC	FX	30.0	Tfc/Berne
10,355.0	CW	....	unknown, apparently in Japan	FX	....
10,358.1	525/...e	....	unknown	FX	....
10,360.0	F7B	CLN288	Havana (Bauta), Cuba	FX	10.0	Tfc/Mexico City
10,360.0	425/50N	....	unknown	FX	....	Nx
10,361.0	425/75Rc	....	unknown, probably in Far East	FX	....
10,362.0	850/50N	†DZG3Ø	Manila, Philippines	FX	30.0	AFP
10,365.0	CW	XAY2Ø7	Merida, Mexico	AX	1.2	Tfc
10,365.0	F7B	RZA29	Moscow, USSR	FX	15.0	Tfc
10,365.0	USB	....	unknown	FX	....	Feeder/PP/1000
10,367.0	850/75R	....	unknown	FX	....
10,368.5	USB	....	Aleutian LORAN NET	FX	....	USCG (Includes:
			NMJ22, Attu; NOJ, Kodiak; NRW2, St. Pau			Is. & NRW3, Pt.
			Clarence---all AK)			
10,370.0	850/50N	ARA	Karachi Aeradio, Pakistan	AX	2.5	Tfc/New Delhi
10,370.0	850/...e	....	unknown	FX	....	Idling
10,371.0	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
10,371.0	MULCAST	....	unknown, but powerful			
10,372.5	425/50N	ONY27	Rouveroy, Belgium	FX	1.0	Belgium Army/NATO
10,375.0	425/50R	BOC2	Xian, PRC	FX	5.0	Tfc/Shanghai
10,375.0	850/50N	9VF61	Singapore	FX	5.0	
10,375.0	850/50N	YTB3	Belgrade, Yugoslavia	FX	1.0	Tfc
10,377.0	850/75R	....	unknown	FX	....	USN
10,379.6	425/50N	6VU87	Dakar, Senegal	FX	5.0	Meteo
10,380.0	CW	RBW43	Murmansk, USSR	FX	....	Tfc
10,380.0	B8E	....	Bethany, OH	FX	50.0	VOA Feeder
10,380.0	LSB	....	unknown	FX	....	RR Telecom
10,381.0	425/50R	YOK33	Giurgiu, Rumania	FX	1.5	
10,382.5	CW	RLU8	Tiksi Bukhta, USSR	FX	....	Tfc
10,382.5	LSB	....	Greenville, NC	FX	50.0	VOA Feeder
10,382.9	850/50N	....	unknown			
10,383.0	850/50N	†5YE11	Nairobi, Kenya	FX	10.0	Meteo
10,384.0	USB	....	unknown	FX	....	Net/SS
10,385.0	425/50R	BAA21	Tianjin, PRC	FX	2.0	Meteo
10,388.0	USB	†....	numerous, throughout Australasia	FX	....	War Games 12/81
10,388.5	USB	FSB57	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
10,388.7	425/50R	5NL	Lagos Aeradio, Nigeria	AX	....	Tfc/5NK
10,390.0	CW	EP5X	Teheran, Iran	FX	....	INTERPOL
10,390.0	CW	SVZ	Athens, Greece	FX	....	"
10,390.0	CW	7RA2Ø	Algiers, Algeria	FX	0.4	"
10,390.0	CW	ATA47	Buenos Aires, Argentina	FX	1.0	"
10,390.0	*170/50N	ONA2Ø	Brussels, Belgium	FX	3.0	"
10,390.0	CW	XJE57	Ottawa (Almonte), Ont., Canada	FX	1.5	"
10,390.0	CW	5BP6	Nicosia, Cyprus	FX	3.0	"
10,390.0	CW	OWS4	Copenhagen, Denmark	FX	1.0	"
10,390.0	CW	GMP	London (W. Wickham), England	FX	0.8	"
10,390.0	CW	OGX	Helsinki, Finland	FX	0.5	"
10,390.0	*170/50N/CW	FSB57	Paris (St. Martin Abbat), France	FX	1.5	"
10,390.0	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
10,390.0	CW	8UF75	New Delhi, India	FX	5.0	"
10,390.0	CW	IUX81	Rome, Italy	FX	0.1	"
10,390.0	CW	4XP41	Tel Aviv, Israel	FX	1.0	"
10,390.0	*170/50N	JPA56	Nagoya (Komaki), Japan	FX	10.0	"
10,390.0	CW	ODW22	Beirut, Lebanon	FX	1.0	"
10,390.0	CW	LXF5Ø	Luxembourg City, Luxembourg	FX	1.0	"
10,390.0	CW	CNP	Rabat, Morocco	FX	0.5	"
10,390.0	CW	PB2E	Utrecht (Bilthoven), Netherlands	FX	1.0	"
10,390.0	CW	LJP2Ø	Oslo, Norway	FX	....	"
10,390.0	CW	CSJ26	Lisbon, Portugal	FX	1.0	"
10,390.0	CW	YO99	Bucharest, Rumania	FX	3.0	"
10,390.0	*170/50N	EEQ	Madrid, Spain	FX	1.0	"
10,390.0	CW	SHX	Stockholm, Sweden	FX	1.5	"
10,390.0	CW	HEP39	Zurich (Waltikon), Switzerland	FX	3.0	"
10,390.0	CW	3VA	Tunis, Tunisia	FX	....	"
10,390.0	CW	TCC2	Ankara, Turkey	FX	0.8	"
10,390.0	425/50R	RTJ7Ø	Iujnsakhalinsk, USSR	FX	5.0	Meteo
10,390.0	CW	4NX7	Belgrade, Yugoslavia	FX	0.4	INTERPOL
10,390.0	AM	9TK21	Kinshasa, Zaire	FX	1.0	"
10,390.0	USB	....	unknown	FX	....	Telcom/EE/JJ
10,391.0	170/50R	....	Calcutta, India	FX	....	Tfc/Rangoon

kHz	Mode	Call	Location	Service	kW	Remarks
10,391.5	LSB	TTR103	N'Djamena, Chad	FX	0.3	INTERPOL
10,394.0	USB	....	Decimomannu, Sardinia	FX	....	RAF
10,394.0	F1B	"RBFWYS"	Decimomannu, Sardinia	FX	....	RAF
10,395.0	LSB	JBF40	Tokyo, Japan	FX	30.0	Telcom/Pyongyang
10,395.0	425/50N	5AF	Tripoli Airport, Libya	FX	....	Aero/Meteo
10,395.0	850/50N	9VF62	Singapore	FX	5.0	Tfc/Beijing
10,398.6	850/50N	....	met for Korea & Japan	..	....
10,399.9	425/75R	HGX21	Budapest, Hungary	FX	....	EMBASSY
10,399.9	*425/75R	HGX31	Warsaw, Poland	FX	1.0	Hungarian EMBASSY
10,400.0	USB	....	unknown	....	....	RR/QSO
10,400.0	CW	FDY	Orleans Air, France	FX	....
10,400.0	CW	"4C6K"	unknown	FX	....	tactical clg
10,402.0	USB	....	Riyadh, Saudi Arabia	FX	....	Feeder
10,402.5	850/...e	....	unknown	FX	....	Idling
10,403.0	LSB	....	unknown	FX	....	Telcom/FF
10,404.0	250/...e	....	unknown	FX	....
10,405.0	F1B	HEK33	Berne, Switzerland	FX	4.0	Tfc
10,405.0	475/75Nc	....	unknown	FX	....
10,406.0	425/50R	HGX21	Budapest, Hungary	FX	....	EMBASSY
10,407.0	USB	ONY69	Brussels, Belgium	FX	0.1	Tfc/Solenzara
10,407.5	425/50N	6VY56	Dakar Aeradio, Senegal	AX	5.0	[OUA] Meteo/Aero
10,408.0	850/50N	9VF63	Singapore	FX	8.0	ANSA Nx EE 0700-0800
& 1700-1900 (Not on Sundays) [Beamed to India]						
10,409.0	850/50N	ARB	Lahore Aeradio, India	AX	....
10,410.0	425/75N	....	Kavalla, Greece	FX	3.0	USIA Nx EE
2215-0745 ("Near East/South Asia File")						
10,410.0	CW	....	unknown	FX	....	Tfc
10,415.0	CW	JJD	Tokyo, Japan	FX	10.0	Solar & Geomagnetic Reports
10,415.0	USB	ZPG4	Asuncion, Paraguay	FX	10.0	Telcom
10,416.8	425/...e	....	unknown	FX	....
10,417.5	425/50R	CNM31	Rabat (Tangier), Morocco	FX	10.0	MAP
10,418.5	CW	....	unknown	FX	....	Pip/2.5 seconds
10,420.0	425/50R	BLM66	Chengdu, PRC	FX	2.0	Meteo
10,420.0	425/50N	BCR21	Shanghai, PRC	FX	15.0	Tfc/New Delhi
10,420.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,420.0	CW	FDY	Orleans Air, France	FX	....	French AF
10,420.4	475/50N	BXW7	unknown	FX	....	PRC EMBASSY
10,421.0	CW	....	unknown	FX	....	Coded Tfc
10,422.5	170/75R	OEC	Vienna, Austria	FX	1.0	EMBASSY
10,422.5	170/75R	ONN45	Brussels, Belgium	FX	0.4	Austrian EMBASSY
10,422.5	425/50R	CNM33	Rabat (Tangier), Morocco	FX	10.0	
10,422.5	170/75R	OEC21	Warsaw, Poland	FX	1.0	Austrian EMBASSY
10,422.5	170/75R	OEC72	Lisbon, Portugal	FX	1.0	" "
10,422.5	170/75R	OEC57	Pretoria, RSA	FX	1.0	" "
[Alt: 13,617.0]						
10,424.0	425/50N	HSD75	Bangkok Aeradio, Thailand	AX	7.5	Tfc/Dacca
10,425.1	B8E	HLQ62	Seoul, South Korea	FX	5.0	Telcom/Tfc
10,425.5	*170/75R	OEC	Vienna, Austria	FX	10.0	EMBASSY
10,425.5	*170/75R	OEC61	Rome, Italy	FX	1.0	Austrian EMBASSY
[Alt: 7894.0]						
10,426.0	550/50N	YMA8	Ankara, Turkey	FX	1.0	Meteo
10,426.0	425/50R	"H61"	Algiers, Algeria	FX	....	French EMBASSY
10,426.6	170/50N	....	unknown	FX	....
10,426.6	170/50N	....	unknown			
10,427.0	USB	....	unknown	FX	....	Telcom/EE
10,428.0	CW	CMH	Santiago Aeradio, Cuba	AX	....	Tfc
10,428.0	CW	CMH	Gen. Peraza Aeradio, Cuba	AX	....	Tfc
10,428.0	425/50R	YOK24	Bucharest, Rumania	FX	1.5	Tfc/Tirana
10,428.5	RTTY	Y7G3U	Hansi, Vietnam	FX	....	GDR EMBASSY
10,429.0	425/50R	Y7A44	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
10,430.0	USB	AIE	Andersen AFB, Guam	FX	3.0	USAF
10,430.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF
10,430.0	USB	5LF10	Monrovia, Liberia	FX	6.0	Telcom
10,430.0	USB	....	unknown	FX	....	Net/SS
10,434.5	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
10,434.5	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
10,435.0	425/50N	ZAY	Tirana, Albania	FX	....	ATA Nx FF 1500-1630
(Not on Sundays) [Non-directional]						
10,435.0	325/50N	VNV130	unknown			

kHz	Mode	Call	Location	Service	kW	Remarks
10,435.0	FAX	....	unknown		....
10,437.0	F7B	UBHY	Tambov, USSR	FX	60.0	
10,438.0	425/50R	YZB9	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
				1600-1730		[Non-directional]
10,438.0		YZB9	unknown		....	TANJUG
10,438.7	USB	....	Doha, Qatar	FX	1.0	Tfc/Cairo
10,440.0	425/50N	Y3A5	Berlin (Nauen), GDR	FX	20.0	DP
10,440.0	USB	PCW35	Harris Camp, Lebanon	FX	....	Dutch UN Force
10,440.5	CW	NRV	COMMSTA Barrigada, Guam	FX	3.0	USCG
10,440.5	CW	NPO	San Miguel (Capas), Philippines	FX	20.0	USN/TIME SIG-
			NALS/Tfc(NOAA reports w/ broadcasts at 0400 & 1300)			
10,442.5	CW	....	unknown, mentions "Port Blair"	FX	....	EE text abt "action"
10,443.0	425/75Rc	....	unknown	FX	....
10,444.5	Piccolo	....	unknown	FX	....	British Embassy
10,444.5	CW	....	unknown	FX	....	Tfc/EE/abt bridges
10,445.0	CW	....	unknown, possibly southeast Asia	FX	....	Tfc/Net/EE
10,445.0	425/75...e	....	unknown		....
10,446.0	CW	....	unknown	FX	....	Tfc/EE
10,446.1	CW	"E"	unknown	RC	....	Beacon
10,447.5	LSB	AYX278	Buenos Aires, Argentina	FX	0.1	Commercial Tfc
10,448.0	CW	....	unknown	FX	....	VVV's
10,448.5	850/50N	WKB6Ø	Slidell, LA	FX	10.0	Tfc/Havana
10,449.0	1000/45R	....	unknown	FX	....	garbled/EE
10,449.2	425/50N	AY0355	Comodoro Rivadavia, Argentina	FX	0.5	Commercial Tfc
10,450.0	LSB	....	unknown	FX	....	NUMBERS/KK/YL
10,451.5	425/50R	†STK	Khartoum Aeradio, Sudan	AX	....
10,452.0	USB	AGA	Hickam AFB, HI	FA	....	USAF
			(Used for SKY KING broadcasts)			
10,455.8	LSB	....	Greenville, NC	FX	50.0	VOA Feeder
10,456.4	LSB	....	Greenville, NC	FX	50.0	UN RADIO Feeder
10,456.8	RTTY	Y7G41	unknown	FX	....	GDR EMBASSY
10,457.0	425/50R	YZC4	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx FF
				1500-1545		[Non-directional]
10,457.0	....	YZC4	unknown	Nx EE 1400-1430		to EMBASSIES
10,457.2	USB	....	unknown, in USSR	FX	....	TANJUG FF
						R. Afghanistan Feeder
10,457.5	>425/50	....	Cairo, Egypt	FX	....	NxFF
10,458.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
10,458.0	170/75R	CLN29Ø	Havana (Bauta), Cuba	FX	20.0	
10,460.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY (to England)
10,460.0	CW	†WKB2Ø	Slidell, LA	FX	3.0	Tfc/Havana
10,461.0	425/75R	4U2Ø	Geneva, Switzerland	FX	20.0	UN
10,461.9	325/...e	....	unknown	FX	....	Idling
10,462.5	B8E	FTK46	Paris (St. Assise), France	FX	20.0	Telcom
10,463.4	CW	KWL9Ø	Tokyo, Japan	FX	1.0	USA EMBASSY
10,464.0	425/50R	Y7A45	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
10,464.0	>170/50N	....	unknown	FX	....	NUMBERS
10,465.0	425/75R	ZLX63	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy
10,465.0	425/50R	RKA74	Moscow, USSR	FX	20.0	TASS Nx EE 1600-2200
			[Beamed to India, Pakistan & the Middle East]			
10,465.0	....	RKA74	unknown			
10,470.0	425/50R	BLM23	Chengdu, PRC	FX	....	Meteo
10,470.0	850/...e	NDT	NAVCOMMSTA, Yokosuka, Japan	FX	15.0	USN
10,470.0	850/50N	CVM	Montevideo, Uruguay	FX	4.0	
10,470.0	425/50R	RVL25	Khabarovsk, USSR	FX	20.0	
10,470.0	325/...e	....	unknown	FX	....	Idling
10,471.0	USB	7UH47	Algiers, Algeria	FX	....
10,475.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
10,475.2	425/50R	CNM34/X2	Rabat (Tangier), Morocco	FX	10.0	MAP Nx
			[Beamed to the Middle East]			
10,475.0	425/50R	BCN22	Shanghai, PRC	FX	5.0	Tfc/Bangkok
10,475.0	425/50N	BCP35	Taipei, Taiwan	FX	7.5	Tfc/EUR
10,475.1	425/50R	....	unknown	FX	....	Nx/AA
10,476.0	USB	....	Riyodu, Saudi Arabia	FX	....	BSKSA Feeder
10,476.0	AM	....	unknown	FX	....	NUMBER/SS/YL/5
10,477.5	*B8E	JBE7Ø	Tokyo (Oyamo), Japan	FX	5.0	Tfc
10,480.0	850/50R	BCX22	Shanghai, PRC	FX	15.0	Tfc/EUR
10,480.0	425/75R	CME36Ø	Havana, Cuba	FX	1.0	PRC EMBASSY
10,482.0	CW	"E"	unknown	FX	....	Beacon

kHz	Mode	Call	Location	Service	kW	Remarks
10,482.3	425/50R	CNO	Casablanca Aeradio, Morocco	AX	1.0	[MOA] Tfc/Dakar
10,483.2	675/60R	7XA	Algiers Aeradio, Algeria	AX	....	[AOA] Meteo/Aero
10,484.0	CW	CME304	Havana, Cuba	FX	1.0	Polish EMBASSY
10,485.0	850/50N	CUA7	Lisbon (Alfragide), Portugal	FX	5.0	Tfc
10,485.9	850/50N	9NK	Kathnaudu, Nepal	FX		
10,486.0	CW	....	unknown		....
10,486.5	B7W	....	unknown	FX	....
10,490.0	CW	UMS	Moscow Naval, USSR	FX	....	Russian Navy
10,492.0	425/75R	RFTJ	Dakar Naval, Senegal	FX	2.0	[6WW] French Navy
10,493.0	USB	....	numerous, USA nationwide	FX	....	FEMA
10,493.0	USB	WGY901	Maynard, MA	FX	....	"
10,493.0	USB	WGY903	Olney, MD	FX	....	"
10,493.0	USB	WGY904	Thomasville, GA	FX	....	"
10,493.0	USB	WGY905	portable	FX	....	"
10,493.0	USB	WGY908	Denver, CO	FX	....	"
10,493.0	USB	WGY910	Bothell, WA	FX	....	"
10,493.0	USB	WGY915	unknown	FX	....	"
10,493.0	USB	....	ELDRICH, MESSKIT, CARIBBEAN, PINOCCHIO, etc.			
10,494.0	425/50R	SOK249	Warsaw, Poland	FX	20.0	Tfc/ME
10,495.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
10,497.0	850/50R	SOK349	Warsaw, Poland	FX	20.0	Tfc/EUR
10,497.0	425/50R	YOK34	Urziceni, Rumania	FX	10.0	Tfc/Moscow
10,497.0	CW	↑....	unknown (possible WCP or EMCP)	FX	....
10,497.3	425/50R	....	unknown	FX	....	Coded Tfc
10,498.0	CW	....	unknown			mixed LETTERS/NUMBERS
10,500.0	425/50R	↑ODT	Beirut Aeradio, Lebanon	AX	....
10,500.0	425/50N	↑NNA41	Hanoi, Vietnam	FX	....	VNA
10,500.0	USB	....	unknown, probably Europe	FX	....	NUMBERS/GG/YL
10,500.0	USB	DF	unknown	FX	....	NUMBERS/EE/YL
10,505.0	USB	....	numerous, in Australia cludes: VKA, Adelaide; VKC, Melbourne; VK, Darwin; VKR, Brisbane; VKT, Hobart; VKX, Canberra & Perth) [May be referred to as Channel #5] (Alt: 7660.0 & 13,730.0)	FX	1.0	Police (In-
10,505.0	B9W	CNR78	Dahkla, Morocco	FX	10.0	Tfc/Rabat
10,505.0	CW	....	unknown	FX	....	Coded Tfc/Net
10,508.5	850/50N	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	Argentinian Navy
10,509.7	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
10,510.0	850/50N	ZAY3	Tirana, Albania	FX	....	ATA Nx EE 1100-1300
10,510.0	850/50N	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
10,510.0	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
10,510.0	B9W	AIJ	Yokota AB, Japan	FX	1.0	USAF
10,511.1	CW	"CON5"	unknown	FX	....	Tfc/SS
10,513.0	CW	....	unknown	FX	....	Tfc abt helios
10,515.0	170/75R	CLN291	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
10,515.0	B8E	5RY5	Antananarive, Madagascar	FX	20.0	Telcom/Tfc
10,516.0	FAX	....	unknown		....
10,518.0	FIB	↑....	Tripoli, Libya	FX	....	JANA Nx AA 1700-1900
10,519.0	550/...e	....	unknown	FX	....
10,520.0	B9W	JAF50	Tokyo, Japan	FX	25.0	
10,520.0	425/50R	BXT39	unknown	FX	....	PRC EMBASSY
10,520.0	850/...e	....	unknown	FX	....	Idling
10,520.0	FAX	....	unknown		....
10,521.0	AI*	....	Beijing, PRC	FX	2.0	KNA Nx CC
					0000-0300 & 0700-1000	
10,521.6	LSB	....	unknown, probably in Australia	FX	....	Telcom/EE
10,522.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
10,523.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Is. Also reported on this frequency have been two LORAN stations in South Korea)
10,524.1	500/...e	....	unknown	FX	....	Idling
10,524.2	425/50N	HMM41	Pyongyang (Bosong), North Korea	FX	10.0	KCNA Nx FF 1145-1445
					(Not on Sundays)	[Beamed to Japan]
10,525.0	850/...e	NRV	COMMSTA Barrigada, Guam	FX	5.0	USCG
10,525.0	850/...e	NRT	COMMSTA Totsuka, Japan	FX	0.5	USCG
10,525.2	CW	....	several, in Central America	AX	....	Aero Tfc
10,525.3	170/ARQ	....	DAAS Dayton, Ohio	FX	....	Tfc/LORSTA IWO JIMA
10,526.3	B8E	5VH305	Lome, Togo	FX	6.0	Telcom/Tfc
10,526.6	425/100R	OEM70	Vienna Aeradio, Austria	AX	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
10,526.8	850/50N	9XK	Kigali Aeradio, Rwanda	AX	....
10,527.8	....	8RH47	Guyana	FX	....	Telcom
10,528.0	CW	....	unknown	FX	....	Coded Tfc
10,530.0	B8E	....	unknown	FX	....	Telcom/EE
10,531.0	425/50R	....	unknown			Meteo
10,531.5	LSB	....	unknown,GFR	FX	....	Telcom/EE
10,532.5	850/50R	YAV	Kabul, Afghanistan	FX	....	RYRY
10,533.0	850/....e	↑....	Barford, England	FX	5.0	RAF/USAF
10,533.0	850/....e	↑NGR	NAVCOMMSTA Nea Makri, Greece	FX	....	USN
10,535.0	LSB	....	several, probably Venezuela		....	SS Bank operations
10,535.0	850/50R	BHM30	Shanghai, PRC	FX	15.0	Tfc/Rangoon
10,535.0	850/50N	ATS61	New Delhi, India	FX	10.0	Tfc
10,536.0	CW	COY895	Havana Naval, Cuba	FX	....	Russian Navy
10,537.8	LSB	AJE	Croughton (Barford), England	FX	4.0	USAF/Tfc
10,538.0	170/50N	SNN299	Warsaw, Poland	FX	....	EMBASSY
10,538.0	425/50R	YOK25	Urziceni, Rumania	FX	2.0	Tfc/Prague
10,540.0	850/50N	CSY40	Santa Maria Aeradio, Azores	AX	2.0	[MSA] Tfc/Shannon
10,540.0	F7B	BCH30	Shanghai, PRC	FX	15.0	
10,540.0	425/50R	ETJ54	Addis Ababa, Ethiopia	FX	1.0	Tfc/Aden
10,543.0	425/50N	Y2V54	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE/FF
				1600-1750 [Beamed	to Southeast Asia]	
				ADN Nx EE 2100-2150 (Sundays, only)	[Non-directional]	
10,545.0	425/50R	BAL4	Beijing, PRC	FX	15.0	
10,545.0	425/75Rc	....	unknown, undoubtedly in USSR	FX	....	APN
10,547.0	425/75R	....	unknown	FX	....	Idling
10,547.0	CW	....	unknown	FX	....	Coded Tfc/Hi-Speed
10,550.0	170/50R	CME343	Havana, Cuba	FX	1.0	Rumanian EMBASSY
10,553.8	CW	Y7A46	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
10,554.0	CW	Y7F59	unknown	FX	....	GDR EMBASSY
10,554.0	LSB	....	unknown	FX	....	Telcom/Net/SS
10,555.0	CW	↑RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
10,555.0	FAX	AXI34	Darwin, NT, Australia	FX	5.0	Meteo (cont.)
10,555.0	B8E	CUA54	Lisbon (Alfragide), Portugal	FX	3.0	Telcom/Tfc
10,556.0	425/50R	BAC50	Beijing, PRC	FX	5.0	XNA Nx EE 1240 ip
10,557.8	350/50N	FTK56/H1	Paris (St. Assise), France	FX	20.0	AFP Nx AA 1900-0100
10,559.5	350/50N	FTK56/H3	Paris (St. Assise), France	FX	20.0	AFP Nx FF 0330-0430
				Nx FF 1730-2130		
				[Beamed to the Middle East]		
				("MOY" Service)		
10,560.0	425/50R	"D6Z"	Budapest, Hungary	FX	....	French EMBASSY
10,560.0	850/50N	JAF60	Tokyo (Oyama), Japan	FX	10.0	
10,560.0	FAX	....	unknown		....
10,562.5	850/....e	RFFKA	unknown	FX	....
10,563.0	CW	FTK56A	Paris (St. Assise), France	FX	20.0	AFP Nx
10,563.0	B8E	XDD229	Mexico City, DF, Mexico	FX	10.0	Telcom/Tfc
10,563.0	375/75Rc	....	unknown	FX	....
10,568.2	LSB	....	unknown, possible Mexico City	FX	....	Telcom/Havana
10,570.0	170/50R	RXA7	Alma Ata, USSR	FX	....	Meteo
10,570.0	850/50N	JAF70	Tokyo (Oyama), Japan	FX	5.0	Tfc/Singapore
10,570.0	CW	"K"	unknown	FX	....	Beacon
10,572.6	F7B	RBT5	Makhatchkala, USSR	FX	60.0	
10,574.0	170/75R	CLN292	Havana (Bauta), Cuba	FX	80.0	Tfc/Vietnam
10,575.0	USB	....	Stockholm Radio, Sweden	FA	....	Aero Tfc
10,575.0	CW	....	unknown	FX	....	Net
10,575.0	FSK	....	unknown	FX	....
10,576.0	Al*	....	Beijing, PRC	FX	1.0	XNA Nx CC 1300-2200
10,578.2	170/ARQ	....	unknown	FX	....
10,580.0	B9W	MKD	Akrotiri, Cyprus	FX	30.0	DCN
10,580.0	525/50N	HMK25	Pyongyang (Bosong), North Korea	FX	10.0	KCNA Nx EE 0800-0830
				(sometimes called HML71)		
				1000-1100 & 1500-1730		
				[Beamed to Southeast Asia]		
10,581.5	850/50N	XZW39	Rangoon Aeradio, Burma	AX	1.0	Tfc/Bangkok
10,582.5	B8E	FPK58	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,584.0	425/50Rc	....	unknown, probably in USSR	FX	....
10,586.6	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
10,587.9	250/....e	....	unknown	FX	....
10,588.0	USB	WGY907	unknown	FX	....	FEMA
10,589.8	USB	....	unknown	FX	....	OM/reading figs
10,590.5	425/75N	....	ZAMINI coded tfc			ZAMINI
10,591.8	425/....e	....	unknown	FX	....
10,592.0	170/....e	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
10,592.2	425/50R	ATL61	Calcutta, India	FX	40.0	
10,594.9	850/50R	RKD48	Moscow, USSR	FX	20.0	Tfc
10,595.0	425/50R	RHL35	Irkutsk, USSR	FX	20.0	Tfc/PRC
10,600.0	425/50R	BAC27	Beijing, PRC	FX	15.0	
10,600.0	425/50R	....	Hanoi, Vietnam	FX	....	VNA Nx EE 1445-1700 [Beamed to Eastern Europe]
10,600.4	170/50*	MKD	Akrotiri, Cyprus	FX	3.5	DCN
10,602.5	FLB	....	Lagos, Nigeria	FX	....	NAN Nx EE
10,603.1	550/75Rc	....	unknown, probably in USSR	FX	....
10,604.8	750/...e	....	unknown	FX	....
10,605.0	USB	....	Buenos Aires, Argentina	FX	....	Marina
10,605.0	425/100Rc	....	unknown	FX	....
10,605.1	1000/50R	RO071	Rostov na Donu, USSR	FX	5.0	Meteo
10,606.0	USB	....	several naval bases in Japan	FX	3.0	USN
10,607.0	425/50N	A9M48	Manama, Bahrain	FX	3.5	
10,609.5	425/50R	†SUA30	Cairo, Egypt	FX	....	MENA/EE Nx0740/AA 1302
10,609.5	850/...e	AOK	NS Rota, Spain	FX	1.0	USAF/USN
10,610.0	USB	....	unknown (clg "American Tureen")	FX	....	Net/SS
10,611.2	425/50N	S2D	Dhaka Aeradio, Bangladesh	AX	....	[DBA] Tfc/Bangkok
10,612.2	850/...e	....	unknown	FX	....
10,612.6	700/50N	ZPN	Asuncion Aeradio, Paraguay	AX	....
10,614.0	850/50	VTN25	Cochin Naval, India	FX	....	Indian Navy
10,614.0	CW	†"F"	unknown	RC	....	Beacon
10,614.3	325/50R	FTK61/H1	Paris (St. Assise), France	FX	20.0	AFP Nx FF 1800-1900 (Irregular Use) FF 1900-2400 & 0440-0700 ("Afrigascar Service") [Beamed to Africa]
10,615.0	850/50R	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
10,615.0	RTTY	VTN25	Cochin, India	FX	....	Indian Navy
10,615.6	325/50R	FTK61/H3	Paris (St. Assise), France	FX	20.0	AFP Nx EE 0330-0430 1815-1900 ("Africa Beams Service") [Beamed to Africa]
10,620.0	B8E	EHY38	Madrid (Pozuelo de Rey), Spain	FX	....	Telcom
10,620.0	850/50R	RWC62	Moscow, USSR	FX	20.0	Meteo
10,620.0	B8E	†....	Moscow, USSR	FX	....	R. Moscow Feeder
10,621.0	850/75N	KWK97	Warsaw, Poland	FX	1.0	USA EMBASSY
10,621.0	500/...e	....	unknown	FX	....
10,622.0	425/50N	†CLP1	Havana, Cuba	FX	....	EMBASSY
10,623.0	425/50R	BAT90	Beijing, PRC	FX	15.0	XNA [Beamed to Vietnam]
10,625.0	425/50R	YOK26	Bucharest, Rumania	FX	15.0	AGERPRES
10,626.0	CW	....	unknown	FX	....	NUMBERS
10,627.0	B9W	....	unknown	FX	....
10,628.0	525/...e	....	unknown	FX	....
10,630.0	425/50R	BCU32	Shanghai, PRC	FX	15.0	Tfc/Cairo
10,630.0	850/50N	9VE35	Singapore	FX	5.0	
10,633.0	USB	....	unknown	FX	....	Net/SS
10,634.0	425/50N	†RPTA	Funchal Naval, Madeira Islands	FX	....	Port. Navy
10,634.0	425/50N	†VNA29	Hanoi, Vietnam	FX	15.0	VNA
10,635.0	850/50R	SUC	Cairo Aeradio, Egypt	AX	....	[HECA] Aero/Meteo
10,635.9	B8E	ZFD49	Hamilton, Bermuda	FX	30.0	Telcom/La Paz
10,637.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
10,638.0	CW	"K"	unknown	RC	....	Beacon
10,639.0	CW	"KDR3"	unknown	FX	....
10,640.0	USB	PVX	Rio de Janeiro (Sepetiba), Brazil	FX	2.5	Telcom
10,640.0	B9W	JBF60	Tokyo, Japan	FX	10.0	Tfc
10,640.0	CW	NIK	COMMSTA Boston, MA	FX	....	USCG Ice forecast 0040
10,640.0	850/50R	9RL73	Kinshasa, Zaire	FX	....	PANA
10,641.0	850/50N	†JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army
10,642.5	*170/75R	KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY
10,643.5	CW	"F"	unknown	RC	....	Beacon
10,644.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
10,644.0	CW	"C"	unknown	FX	....	Beacon
10,644.5	CW	"P"	unknown	FX	....	Beacon
10,645.0	B8E	ZEO47	Cape D'aguilar, Hong Kong	FX	3.0	Telcom/Tfc
10,645.0	425/75N	ZLX63	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy
10,645.0	850/50N	ZXD60	Harare, Zimbabwe	FX	1.0	Tfc/Pretoria
10,645.0	CW	"D"	unknown	RC	....	Beacon
10,645.9	CW	"R"	unknown	RC	....	Beacon
10,646.0	CW	"K"	unknown	RC	....	Beacon

kHz	Mode	Call	Location	Service	kW	Remarks
10,646.0	USB	....	Paris, France	FX	....	Telcom
10,646.1	CW	"0"	unknown	RC	....	Beacon
10,646.8	CW	†CSF37	Funchal, Madeira Islands	FX	0.5	Port. AF
10,647.0	425/75R	4UA	Rawalpindi, Pakistan	FX	20.0	UN
10,647.0	425/75R	4UZ	Geneva, Switzerland	FX	20.0	UN
10,648.0	USB	....	unknown	FX	....	LETTERS/EE/YL
10,649.0	425/50R	GIC30B	London (Dorchester), England	FX	30.0	AP
10,650.0	425/50R	BJZ23	Wuhan, PRC	FX	1.0	[UPA] Meteo
10,650.0	425/50R	BZT30	Wulumuqi, PRC	FX	10.5	XNA
10,650.0	B9W	AID	Kadena AB, Okinawa, Japan	FX	10.0	USAF
10,650.0	F1B	HMB25	Pyongyang, North Korea	FX	....
10,650.0	*170/75R	†....	Warsaw, Poland	FX	....	EMBASSY
10,650.4	B9W	ODI65	Beirut, Lebanon	FX	2.0	Tfc
10,651.5	475/....e	....	unknown	FX	....
10,653.0	425/50N	HSB87	Bangkok Aeradio, Thailand	AX	7.5	
10,654.0	425/75N	...	The Hague, Netherlands	FX	....	EMBASSY
10,654.0	525/50N	....	unknown	FX	....	Coded Tfc
10,655.0	425/50N	ATK61	New Delhi, India	FX	30.0	PTI Nx EE 1500-1530 [Beamed to Japan & Korea]
10,655.0	425/45Ne	KGA91	Laurel, MD	FX	2.5	FCC
10,655.0	425/45Ne	KIA84	Power Springs, GA	FX	1.0	"
10,655.0	425/45Ne	KKA59	Douglas, AZ	FX	1.0	"
10,655.0	425/45Ne	KKA60	Kingsville, TX	FX	1.0	"
10,655.0	AM	....	unknown	....	NUMBERS/GG/YL	
10,655.0	425/45Ne	KOA56	Ferndale, WA	FX	1.0	"
10,660.0	F7B	RZA27	Moscow, USSR	FX	15.0	TASS
10,660.0	425/....e	....	unknown	FX	....
10,662.3	CW	....	unknown	FX	....	Coded Tfc
10,663.0	425/75R	4UZ	Geneva, Switzerland	FX	20.0	UN
10,663.4	850/50	RETJ	usual	FX	....
10,665.0	850/....e	IBA	Naples Naval, Italy	FX	1.0	Italian Navy/NATO
10,665.0	850/50R	SHG60	Stockholm (Varberg), Sweden	FX	20.0	
10,665.0	425/50R	RCQ73	Iakutsk, USSR	FX	5.0	Meteo
10,666.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
10,666.0	CW	VTR28	Port Blair Naval, Maldives	FX	....	Indian Navy
10,666.0	USB	AGB4	Wake Island	FX	1.0	USAF
10,668.0	CW	....	unknown	FX	....	off too soon
10,670.0	CW	VTP28	Vizakhapatnam Naval, India	FX	....	Indian Navy
10,670.0	425/50Re	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
10,670.0	B9W	FEB21	Chichi Jima, Bonin Is., Japan	FX	2.0	Tfc
10,670.0	F7B	REM59	Nikolayev, Ukrainian SSR	FX	50.0	APN/TASS [Beamed to Africa]
10,670.0	F7B	RZA26	Moscow, USSR	FX	15.0	
10,672.5	B8E	....	Kathmandu, Nepal	FX	5.0	Telcom/Tfc
10,674.0	CW	LTA	Buenos Aires Naval, Argentina	FX	....	Argentine Navy
10,674.0	CW	....	unknown	....	
10,675.0	.....	†VTN5	New Delhi Naval, India	FX	0.4	Indian Navy
10,675.0	USB	RCF43	Moscow, USSR	FX	20.0	R. Moscow Feeder
10,675.0	425/50R	REM51	Nikolayev, Ukrainian SSR	FX	50.0	TASS Nx FF/PP [Beamed to West Africa]
10,675.2	750/45R	....	unknown	....	
10,676.0	*USB	†....	unknown	FX	....	Coded Tfc
10,676.6	850/50R	VTR28	Port Blair Naval, Andaman Islands	FX	....	Indian Navy
10,678.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
10,680.0	USB	LRB6	Buenos Aires, Argentina	FX	....	Feeder (Sa/Su)
10,680.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
10,680.0	850/75R	....	unknown	FX	....
10,680.5	CW	†KRH50	London, England	FX	1.0	USA EMBASSY
10,682.5	425/50R	CNN38	Rabat (Tangier), Morocco	FX	10.0	
10,685.0	850/50R	XYO2	Rangoon, Burma	FX	5.0	Tfc/Shanghai
10,685.0	850/50N	C9C65	Maputo, Mozambique	FX	7.5	
10,685.0	F7B	RHX2	Moscow, USSR	FX	20.0	
10,685.8	425/50N	9DM17	Teheran, Iran	FX	7.0	[MRO] Meteo (cont.)
10,685.8	850/50R	....	unknown	....		wx from 41448/42492, et.
10,690.0	USB/LSB	....	unknown	FX	....	AA Telcom
10,690.0	425/50R	BUA52	Wulumuqi, PRC	FX	5.0	XNA
10,690.0	USB	RKM22	Irkutik, USSR	FX	....	Feeder for RADIO ORBITA-2
10,694.0	425/50R	SOK269	Warsaw, Poland	FX	20.0	Tfc
10,695.0	B8E	FTK69	Paris (St. Assise), France	FX	20.0	Telcom/Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
10,695.0	B9W	AIF	Yokota AB, Japan	FX	5.0	USAF
10,695.0	425/50N	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....	[JSA] Tfc/Khartoum
10,698.0	170/....	....	unknown	FX	....
10,698.4	170/ARQ	....	unknown	FX	....
10,700.0	850/....	NPN	NAVCOMMSTA Agana, Guam	FX	5.0	[GCMP] USN
10,700.0	525/50R	....	unknown, probably in Far East	FX	....
10,700.0	525/50R	....	unknown, something "ARMY DE PBA"	FX	....
10,700.5	B8E	PCL20	Amsterdam (Kootwijk), Netherlands	FX	30.0	R. Netherlands Backup Feeder
10,701.0	F7B	BBA22	Shanghai, PRC	FX	15.0	
10,704.0	USB	....	unknown	....		Telcom
10,705.0	425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
10,708.5	LSB	KUQ20A	Pago Pago, American Samoa	FX	10.0	Telcom/Tfc
10,709.9	850/50R	JAG30	Tokyo, Japan	FX	5.0	Nx
10,710.0	850/50N	NAU	NAVCOMMSTA San Juan, PR	FX	6.0	USN "WOMEN COME TO AID"
10,710.0	600/50R	....	....	....		USN
10,710.0	425/50R	RKA73	Moscow, USSR	FX	15.0	TASS Nx EE 1415-2400 [Beamed to Southeast Asia]
10,713.7	LSB	....	unknown, Colombian super in Sinai	FX	....	much talk abt Rio Grande
10,714.0	170/ARQ	SRZ944	Warsaw, Poland	FX	1.0	French EMBASSY
10,714.0	....	"H7U"	unknown	FX	....	French EMBASSY
10,715.0	B8E	IRH37	Rome (Torrenova), Italy	FX	10.0	Telcom
10,715.0	USB	....	unknown	....		EE/QSO
10,715.8	525/50N	....	unknown	FX	....	Tfc
10,716.0	CW	†"5NI"?	unknown	FX	....	Tfc
10,719.0	850/50R	BAX63	Beijing, PRC	FX	40.0	Tfc/Paris
10,720.0	FAX	LRB72	Buenos Aires (G. Pacheco), Argentina	FX	...	[EWR] Meteo
					(0300, 1600, 1900 & 2000)	
10,720.0	750/50R	LRB72	Buenos Aires, Argentina	FX	10.0	[SN] Meteo
10,720.0	CW	7RV20	Warsaw, Poland	FX	0.3	Algerian EMBASSY
10,722.2	650/50R	....	unknown	FX	....	Tfc/EE/Abt Pakistan
					"Situation out of Control"	—mentions of Beijing
10,723.0	650/50R	8WD7	New Delhi, India	FX	....	EMBASSY
10,723.0	950/50R	RZB77	Vladivostok, USSR	FX	5.0	Meteo
10,725.0	CW	†CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
10,725.0	850/50R	ORI50	Brussels (Ruiselede), Belgium	FX	4.0	Tfc/ME
10,726.0	425/50R	"P6Z"	Paris, France	FX	....	EMBASSY
10,726.5	425/50R	†ODT	Beirut Aeradio, Lebanon	AX	4.0	Tfc/Karachi
10,727.0	FAX	....	unknown, probably Europe	FX	....	UPI Nx
10,729.0	850/50R	....	unknown	....	
10,729.0	F1B	....	London, England	FX	....	Algerian EMBASSY
10,730.0	<425/50N	FXN97	Numea (Tontouta), New Caledonia	FX	....	Meteo
					(Wx broadcasts at 0015, 0615, 1215 & 1815)	
10,730.4	425/50R	7RQ20	Algiers, Algeria	FX	....	EMBASSY
10,730.5	425/50R	ZEN49	Cape D'aguilar, Hong Kong	FX	10.0	AFP Nx EE 1200-2000
					("EXOR" Service)	[Beamed to Southeast Asia]
10,730.7	425/50R	7RV50	Sofia, Bulgaria	FX	....	Algerian EMBASSY
10,732.0	CW	"P6Z"	Paris, France	FX	2.0	EMBASSY
10,734.0	DATA	....	unknown	FX	....
10,736.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
10,736.0	USB	OHU21	Paris, France	FX	1.0	Finnish EMBASSY
					[Alt: 10,885.0]	
10,736.0	USB	OHU28	Warsaw, Poland	FX	1.0	Finnish EMBASSY
10,736.0	USB	OHU26	Belgrade, Yugoslavia	FX	1.0	" "
10,739.1	250/....	....	unknown	FX	....
10,739.5	425/50N	....	unknown	FX	....	Coded Tfc
10,740.0	850/75N	†KRH51	London, England	FX	1.0	USA EMBASSY
10,740.0	USB	....	unknown	....		NUMBERS/GG/YL
10,740.0	CW	....	unknown	....		NUMBERS
10,740.0	LSB	RKA72	Moscow, USSR	FX	20.0	R. Moscow Feeder
10,743.5	USB	BEG33	Guangzhou, PRC	FX	7.0	Tfc/Shanghai
10,744.0	850/50N	....	Algiers, Algeria	FX	....	Tfc/London
10,745.0	850/50N	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
10,745.0	850/50N	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	" "
10,745.0	CW	....	several, around Argentine coast	FX	....	" "
10,745.0	CW	....	unknown	....		LETTERS
10,746.0	850/....	....	unknown	FX	....
10,746.5	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
10,746.5	USB	OHU23	Tel Aviv, Israel	FX	1.0	Finnish EMBASSY
10,746.5	USB	OHU22	Bucharest, Rumania	FX	1.0	" "

kHz	Mode	Call	Location	Service	kW	Remarks
10,748.0	425/50N	WFL60	New York, NY	FX	50.0	ANSA Nx SS
10,750.0	850/50R	LZD6	Sofia, Bulgaria	FX	3.0	Meteo
10,754.0	425/50R	XVA83	Hanoi, Vietnam	FX	5.0	Tfc/Calcutta
10,755.0	SSB	LPP24	Posadas, Argentina	....	SS	Tfc
10,755.0	425/50R	"D62"	Budapest, Hungary	FX	....	French EMBASSY
10,755.0	CW	....	Jeddah, Saudi Arabia	FX	0.5	Meteo
10,758.0	425/50N	....	unknown	FX	....	Coded Tfc
10,760.0	425/50R	ORI60	Brussels (Ruisseled), Belgium	FX	1.0	Tfc/FE
10,760.0	425/75R	CME361	Havana, Cuba	FX	1.0	PRC EMBASSY
10,760.6	350/50R	....	unknown	FX	....	Idling
10,761.0	USB	....	several, around Sao Paulo, Brazil	FX	....	Net
10,762.0	170/...e	....	unknown	FX	....
10,762.0	170/57N	VER	unknown, one channel multiplex system			
10,762.8	500/50N	HMV56	Pyongyang, North Korea	FX	....	[BP] Tfc/Berlin, GDR
10,763.5	DATA	....	unknown	FX	....
10,765.0	B8E	FTK76	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,765.0	CW	OVC	Groennedal, Greenland			Danish Marine
Reported wx broadcast at 2100						
10,765.0	850/75N	OVC		FX	3.0	Danish Marine
10,765.0	850/50N	JCB70	Tokyo (Oyama), Japan	FX	10.0	Tfc/SA
10,770.0	850/50R	RTT42	Moscow, USSR	FX	20.0	Tfc
10,770.0	B8E	TCXL24	Montevideo, Uruguay	FX	2.5	Telcom
10,774.2	CW	VTX348	Ahmedabad, India	FX	....	Indian Police
10,774.5	CW	....	unknown, probably in India	FX	....	Tfc/EE
10,775.0	B8E	FTK77	Paris (St. Assise), France	FX	5.0	TIME SIGNALS/ Telcom
10,776.0	850/75Re	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
10,777.0	850/50N	9VRF65	Singapore	FX	5.0	
10,779.0	425/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	....
10,779.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
10,780.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY [Alt: 12,295.0]
10,780.0	850/50R	SDN6	Stockholm (Varberg), Sweden	FX	10.0	
10,780.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL (Also active is "Cape Leader" from Patrick AFB, FL-- Both Shuttle Support--May be called "HOTEL" channel)	FX/MA ...		USAF/NASA
[Alt: 9006.0 & 11,104.0]						
10,780.0	USB	....	Cape Radio, DISHPAN (USNS Redstone), TRACK STAR, etc.			
10,780.0	850/50R	YTK	Belgrade, Yugoslavia	FX	5.0	Tfc/Moscow
10,781.0	425/50Rc	....	unknown, probably in the USSR	FX	....
10,785.0	425/50R	Y7V43	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE/FF
1800-1950 [Beamed to the Far East]						
10,785.0		Y2V43	unknown		....	ADN EE Nx to Latin Amer
10,785.0	425/50N	Y2V43B	unknown		....	ADN Nx EE/FF
10,785.0	425/50N	Y2V43	unknown		....	ADN Nx EE
10,785.0	USB	....	unknown	FX	....	Telcom/II
10,785.0	250/50N	....	unknown		....	garbled EE
10,785.5	425/50R	YOK47	Feleacu, Rumania	FX	1.5	Tfc/Beijing
10,785.5	..	Y2V43A	unknown		....	ADN Nx EE AF/ME
10,787.0	B9W	BCO24	Shanghai, PRC	FX	25.0	Tfc/Berne
10,788.0	425/50R	CLN300	Havana (Bauta), Cuba	FX	10.0	Tfc/Berlin
10,788.0	USB	CML30	Havana (San Pedro Bauta), Cuba	FX	1.0	
10,790.0	425/50R	RKA71	Moscow, USSR	FX	20.0	TASS Nx EE 1600-2200
[Beamed to Eastern Europe and the Middle East]						
10,790.0	....	RKA71	unknown			
10,792.5	CW	P6Z	Paris, France	FX	2.0	EMBASSY
10,793.0	525/....e	....	unknown	FX	....	Idling
10,795.1	425/50R	JAG50	Tokyo, Japan	FX	5.0	KYODO Nx EE
0720-0820 [Beamed to South Korea]						
10,796.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
10,796.0	F1B	"KPX"	Da Nang, Vietnam	FX	....	VNA NX VV 0100-0400 0700-1000
10,797.5	F1B	SDQ3	Stockholm (Varberg), Sweden	FX	35.0	Tfc
10,797.5	USB	....	unknown			EAGLE ONE wkg SKYHAWK
10,798.0	F1B	3SU	Zhenhai Naval, PRC	FX	....	PRC Navy/Meteo
10,799.5	USB	5VH308	Lome, Togo	FX	20.0	Telcom
10,800.0	425/50R	BBD44	Beijing, PRC	FX	15.0	Tfc/Colombo
10,800.0	850/....e	....	unknown	FX	....
10,802.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY (to England)
10,803.0	USB	....	numerous, throughout Australia	FX	....	Commercial Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
10,803.0	USB	VJ5CM	Adelaide Base			
10,803.0	850/....e	....	unknown	FX	....
10,804.0	USB	....	Montevideo, Uruguay	FX	....	Telcom
10,805.0	425/50R	....	Buenos Aires, Argentina	FX	....	NA Nx SS 1200-0200
10,805.0	B9W	JCC20	Tokyo, Japan	FX	5.0	
10,805.0	USB	....	Pyongyang, N. Korea			
10,805.0	LSB	....	ABNORMAL	FX	....	Wkg Agar 21
10,805.0	USB	....	unknown			
10,806.8	500/....e	....	unknown	FX	....
10,807.0	F1B	....	unknown	FX	....
10,809.5	F7B	RKE23	Moscow, USSR	FX	15.0	
10,810.0	850/50N	9VF249	Singapore	FX	10.0	ANSA Nx EE 1700-1900 [Beamed to Australasia]
10,813.0	850/50R	XVM36	Hanoi, Vietnam	FX	3.0	Tfc/Bangkok
10,813.5	425/....e	....	unknown	FX	....
10,817.8	850/50N	YKQ20	Damascus, Syria	FX	....	Meteo
10,820.0	425/50R	BAL21	Beijing, PRC	FX	15.0	
10,820.0	425/50R	TOD182	Beirut, Lebanon	FX	....	REUTER
10,820.0	850/50N	WFD90	New York, NY	FX	50.0	DPA Nx SS 1900-2300 (Not on Saturdays or Sundays) 2330-2400 (Not on Sundays or Mondays) 0000-0200
10,820.0	USB	"KPA2"	unknown	FX	....
10,820.7	B8E	FTK82	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,820.8	425/50Rc	....	unknown, probably in USSR	FX	....
10,822.5	850/50N	9VF66	Singapore	FX	8.0	Tfc/London
10,823.0	850/....e	....	unknown	FX	....
10,826.1	425/50N	ODT	Beirut Aeradio, Lebanon	AX	1.0	
10,828.0	425/50N	FJY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	
10,830.0	425/50R	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
10,830.0	425/50Rc	ULV	Moscow, USSR	FX	25.0	
10,830.0	425/100Rc	....	unknown	FX	....
10,831.0	425/50N	YKA8	Damascus Aeradio, Syria	AX	2.0	Tfc/Teheran
10,831.8	850/....e	....	unknown	FX	....	Idling
10,833.0	LSB	....	numerous, Argentina nationwide	FX	1.0	Governmental
10,833.0	425/....e	....	unknown	FX	....
10,834.6	425/50N	FDY	Orleans Air, France	FX	....	FAF
10,835.0	425/....e	....	Etampes Air, France	FX	20.0	French AF
10,836.0	850/50R	BAE52	Beijing, PRC	FX	15.0	Tfc/Belgrade
10,836.0	LSB	TUP8	Abidjan, Ivory Coast	FX	2.0	Telcom
10,838.0	170/50Rc	....	unknown	FX	....
10,844.0	425/75Nc	....	unknown	FX	....
10,844.5	USB	5UR8	Niamey, Niger	FX	20.0	Telcom
10,845.0	USB	†A9M43	Hamala, Bahrain	FX	10.0	Telcom/Aden
10,845.0	....	†XDA144	Mexico City, DF, Mexico	FX	5.0	Tfc/New Orleans
10,845.0	850/50N	†RBNF	Moscow Aeradio, USSR	AX	....	Tfc/PRC
10,846.0	B8E	†IRH28	Rome (Torrenova), Italy	FX	10.0	Telcom
10,850.0	F7B	RZZ44	Vladivostok, USSR	FX	50.0	
10,851.5	425/75Rc	....	unknown	FX	....
10,852.4	F7B	UFJV	Kazan, USSR	FX	60.0	
10,853.0	B9W	CLN295	Havana (Bauta), Cuba	FX	20.0	Tfc
10,853.8	425/50R	HGX22	Athens, Greece	FX	1.0	Hungarian EMBASSY
10,854.5	170/....e	...	unknown	FX	....
10,855.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
10,855.0	LSB	†RRRZ	Sverdlovsk, USSR	FX	15.0	R. Moscow Feeder
10,856.0	850/....e	....	unknown	FX	....
10,857.5	B8E	JBF50	Tokyo, Japan	FX	30.0	Telcom
10,859.4	1000/50N	YAD4	Kabul, Afghanistan	FX	3.0	Tfc/India
10,860.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,860.0	850/....e	....	unknown	FX	....
10,861.2	CW	RSF23	Tbilisi, Georgian SSR	FX	20.0	clg RGG42
10,861.2	CW	....	numerous, USA nationwide	FX	....	USN
10,862.0	850/50R	BZC71	Beijing, PRC	FX	25.0	XNA
10,862.5	850/45N	NGD	McMurdo Station, Antarctica	FX	....	NSF/USN
10,865.0	AM	....	RADIO BEIJING, Wulumuqi, PRC	BC	100.0	External Service
10,865.0	FAX	NMN	COMMSTA Norfolk, VA	FX	10.0	USCG
10,865.0	USB	....	Decimonannu AS, Sardinia	FX	....	RAF
10,865.0	425/50R	RZA24	Moscow, USSR	FX	15.0	TASS Nx FF/PP 1600-1900 [Beamed to West Africa]
10,867.0	425/....e	....	unknown	FX	....
10,868.0	B8E	†....	Greenville, NC	FX	50.0	USIA

kHz	Mode	Call	Location	Service	kW	Remarks
10,869.0	LSB	....	Bethany, OH	FX	40.0	VOA Feeder
10,870.0	USB	CML320	Havana (Bauta), Cuba	FX	0.5	Tfc/Mexico City
10,870.0	FAX	RBA2	Magadan, USSR	FX	20.0	Meteo/Nx
10,870.0	F7B	RBA2	unknown	....	....	....
10,872.0	850/...e	....	unknown	FX	....	....
10,873.0	USB	....	unknown	FX	....	Telcom/SS
10,874.6	425/75Rc	....	unknown	FX	....	VERY STEADY CLOSE-IN
10,874.7	950/...e	....	unknown	FX	....	....
10,874.8	1000/50Rc	....	unknown	FX	....	....
10,875.0	500/50Rc	....	unknown	FX	....	....
10,876.0	USB	....	unknown	....	...	SS/YL/NUMBERS
10,877.0	500/75Rc	....	unknown	FX	....	....
10,877.4	USB	5LA10	Monrovia (Careysburg), Liberia	FX	250.0	VOA Feeder
10,878.0	425/75Rc	....	unknown	FX	....	....
10,880.0	425/75R	5LA10	Monrovia (Careysburg), Liberia	FX	250.0	VOA Nx EE 2330-0245 ("African Service")
10,880.0	425/75N	RKE22	Moscow, USSR	FX	15.0	APN
10,880.0	425/50R	REM50	Nikolayev, Ukrainian SSR	FX	50.0	TASS Nx EE 1530-1900 [Beamed to West Africa]
10,884.0	170/...e	....	unknown	FX	....	....
10,885.0	425/50R	BBK2	Shanghai, PRC	FX	15.0	....
10,885.0	USB	OHU21	Paris, France	FX	1.0	Finnish EMBASSY [Alt: 10,736.0]
10,885.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY [Alt: 14,954.0]
10,887.0	CW	ZGNK	unknown (Norono or Nonoas?)	FX	....	(ZGHK or ZGUK)
10,888.0	CW	UAQ	Bolchoi	FX	....	....
10,888.0	CW	RMP	Rostov Naval, USSR	FX	....	Russian Navy
10,891.5	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
10,892.0	USB	4WA49	Jakartta, Arab Republic	FX	....	Telcom/Bahrain
10,894.0	525/75Rc	....	unknown, probably in USSR	FX	....	....
10,894.5	LSB	↑TYK8	Cotonou, Benin	FX	....	Telcom/Tfc
10,895.0	*850/50R	LRB39	Buenos Aires, Argentina	FX	1.0	SAPORITI Nx SS 1200-2200 [Beamed to Central America]
10,898.4	USB	....	unknown, probably in South America	FX	....	Net/SS
10,899.7	525/50N	....	unknown	FX	....	Coded Tfc
10,900.0	170/75R	↑SPP322	Brussels, Belgium	FX	1.0	Polish EMBASSY
10,900.0	425/75N	....	Jakarta, Indonesia	FX	....	EMBASSY
10,900.0	*425/75N	SRZ955	Warsaw, Poland	FX	1.0	EMBASSY
10,900.0	CW	....	several, Japan, Philippines & Taiwan	FX	2.5	USAF
10,900.2	525/50N	GKR2	Wick Radio, England	FX	....	....
10,900.2	525/50N	GKR2	unknown	....	....	....
10,901.5	USB	KAA60	Grand Island, NE	FX	1.0	FCC
10,902.0	425/45Ne	KAA60	Grand Island, NE	FX	1.0	FCC
10,905.0	425/50R	BBA45	Shanghai, PRC	FX	40.0	Tfc/Havana
10,905.0	USB	IRH39	Rome (Torrenova). Italy	FX	10.0	Tfc/ME
10,905.0	B9W	CUA55	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
10,905.0	850/...e	....	unknown	FX	....	Idling
10,906.0	425/50R	EPD56	Teheran Aeradio, Iran	AX	2.0	Tfc/Damascus
10,906.0	FAX	....	unknown	FX	....	....
10,910.0	425/50R	HGH29	Budapest, Hungary	FX	15.0	MTI Nx FF 1145-1400 1600-1645 1800-2100 (Not on Sundays) [Beamed to North Africa]
10,911.0	USB	....	unknown	FX	....	Telcom/II
10,912.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
10,912.0	CW	FDY	Orleans Air, France	FX	....	FAF
10,913.4	USB	KGE33	Washington, DC	FX	3.0	FBI Net Control
10,915.0	CW	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
10,916.0	425/75R	RTJ	Dakar Naval, Senegal	FX	2.0	French Navy
10,917.0	USB	5TN244	Nouakchott, Mauritania	FX	20.0	Telcom
10,920.0	425/50R	Y2V22	Berlin (Nauen), GDR	FX	20.0	ADN Nx AA 1600-1750 2000-2050 Nx EE 1800-1950 [Beamed to Africa]
10,920.0	F7B	RZA22	Moscow, USSR	FX	20.0	....
10,920.5	..	Y2V22	ADN Nx EE AF/ME 1600-1900 WRTI2/84	....	....	....
10,922.0	USB/LSB	DFK92	Frankfurt (Bonames), GFR	FX	20.0	Telcom [Sometimes used as Deutsche Welle feeder]
10,922.0	170/50R	DFK92	Frankfurt (Bonames), GFR	FX	20.0	....

kHz	Mode	Call	Location	Service	kW	Remarks
10,922.0	SSB	DRK92	unknown			
10,925.0	850/...e	....	unknown	FX	....
10,927.0	F1B	†YMB	Izmir Naval, Turkey	FX	....	Turkist Navy/NATO
10,928.4	850/100Rc	....	unknown	FX	....
10,929.0	*FAX	GLQ3Ø	London (Rugby), England	FX	30.0	AP
10,935.2	....	†5K0225	Bogota, Colombia	FX	....	USMILGP
						[Alt: 13,950.0]
10,935.2	LSB	2KQ416	unknown, apparently in Caribbean	FX	....	USMILGP
10,936.0	USB	....	Riyadh, Saudi Arabia	FX	....	Feeder
10,936.9	475/...e	....	unknown	FX	....
10,938.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI, Sellia Marina, Italy; NCI3, Lampedusa, Italy and NCI4, Kargabarun, Turkey) [Alt: 8021.5 & 10,958.5]
10,941.0	350/50N	FTK94A	Paris (St. Assise), France	FX	20.0	AFP Nx PP 1000-0600 [Beamed to Brazil]
10,945.0	CW	CFH	Halifax Command, NS, Canada	FX	5.0	[C13L] NAWS (Canadian Forces)
10,945.0	850/75R	CFH		FX	20.0	Meteo/C. Forces
10,945.0	F7B	BAY4	Beijing, PRC	FX	20.0	Tfc/Moscow
10,946.5	700/...e	....	unknown	FX	....	Idling
10,947.0	850/50N	CVN	Montevideo, Uruguay	FX	14.0	NA Nx SS
10,948.0	425/50R	CLN297	Havana (Bauta), Cuba	FX	25	Tfc/Shanghai
10,950.0	850/75N	WBR7Ø	Miami Aeradio, FL	AX	8.0	[WBC] Meteo
10,952.0	425/50R	CLN298	Havana (Bauta), Cuba	FX	50.0	Tfc/Shanghai
10,953.0	B8E	VJU	Norfolk Island, Australia	FX	15.0	Telcom/Sydney
10,955.0	425/75Nc	....	unknown	FX	....
			(This F7B newscast has not been heard on Sundays)			
10,957.0	425/...e	....	unknown	FX	....
10,957.5	425/50R	CNM41	Rabat (Tangier), Morocco	FX	10.0	
10,958.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (For List of stations see 10,938.5)
10,959.6	170/50R	GPE3ØB	London (Oxford), England	FX	75.0	REUTERS Nx EE 2300 [Beamed to the Middle East]
10,960.0	850/50R	3MA28	Taipei, Taiwan	FX	....	CNA Nx EE 0600-0700
			["CJP" Service] (Neither newscast on Sundays) 0730-0800			
			["CEP" Service] (Daily) CNA Nx EE 1330-1430			
			[Beamed to Europe]			
10,960.0	850/50R	....	unknown	FX	....	[FHA] Meteo
10,961.0	B8E	9VF284	Singapore	FX	10.0	Telcom
10,961.6	F1B	†GPE3ØB	London (Oxford), England	FX	75.0	REUTERS
10,965.0	F1B	HBD56	Warsaw, Poland	FX	1.0	Swiss EMBASSY
10,965.7	425/50R	JYN4	Amman, Jordan	FX	10.0	Meteo
10,966.0	FAX	NPO	San Miguel (Capas), Philippines	FX	15.0	USN/Meteo
10,967.0	CW	ASK	unknown	FX	....	mkr
10,967.5	425/50R	FDY	Orleans Air, France	FX	....	French AF
10,970.0	USB	....	unknown	FX	....	Telcom/FF
10,970.0	270/...e	....	unknown	FX	....
10,972.0	425/75N	....	Tangier, Morocco	FX	50.0	USIA Nx EE/FF
						2230-0745 ("Europe File")
10,975.0	*425/50R	RDD79	Moscow, USSR	FX	20.0	
10,977.5	850/50N	JAG7Ø	Tokyo, Japan	FX	10.0	
10,980.0	850/50N	CTD52	Ponta Delgado Naval, Azores	FX	3.0	Port. Navy
10,980.0	850/50N	VTN5	New Delhi Naval, India	FX	1.0	Indian Navy
10,980.0	FAX	RDD79	Moscow, USSR	FX	....	Meteo (cont.)
10,982.0	425/50R	BAP4Ø	Beijing, PRC	FX	10.0	XNA Nx EE 0630-0930 1500-1700 1830-1930
						[Beamed to Japan & South Korea]
10,982.0	1000/50R	BAP4Ø	Beijing, PRC	FX	10.0	XNA
10,982.2	CW	CTH	Horta Naval, Azores	FX	3.0	Port. Navy
			(NOAA reports wx broadcast at 0930)			
10,985.0	F7B	RCB53		FX	15.0	TASS Nx AA/FF
			0600-0800 [Beamed to Southern Europe & North Africa]			
			(Neither newscast on Sundays)			
10,985.0	425/50R	RCB53	Moscow, USSR	FX	15.0	TASS Nx PP 1615-1900
10,985.0	250/75R	....	unknown	FX	....	Coded Tfc
10,990.0	F7B	CLN299	Havana (Bauta), Cuba	FX	20.0	Tfc/Mexico City
10,990.0	CW	"UUK"	unknown	FX	....
10,991.0	250/75Rc	....	unknown	FX	....
10,992.0	850/50R	BPE62	Beijing, PRC	FX	5.0	Tfc/Kunming

kHz	Mode	Call	Location	Service	kW	Remarks
10,992.0	CW	"Q2"	unknown	FX	....	text/FF
10,992.5	CW	....	unknown	FX	....	Tfc/EE/weak
10,995.0	CW	7RP70	Rome, Italy	FX	0.2	Algerian EMBASSY
10,995.0	850/....	....	unknown	FX	....
10,995.2	425/50N	....	unknown, probably in Far East	FX	....
10,996.0	CW	7RV70	Warsaw, Poland	FX	0.8	Algerian EMBASSY
10,998.0	425/50R	SMA9	Stockholm, Sweden	FX	2.5	Meteo (NOAA re-ports wx forecasts at 0840, 1140 & 2040)
11,000.0	425/50N	D2J26	Luanda, Angola	FX	10.0	ANGOP Nx FF/PP
			1200-1300	[Beamed to Central & North Africa]		ANGOP Nx FF/PP
			1600-1700	[Beamed to East Africa]		ANGOP Nx FF/PP
			1900-2000	[Beamed to Central & North Africa]		
11,000.0	USB	D2J26	Luanda, Angola	FX	10.0	Telcom
11,000.0	850/....	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
11,000.0	CW	TONN30	Brussels, Belgium	FX	0.5	GDR EMBASSY
11,000.0	AM	....	CPBS, Beijing, PRC	BC	10.0	Taiwan Service
11,000.0	425/75R	CME322	Havana, Cuba	FX	1.0	Czech EMBASSY
11,000.0	170/75R	CME356	Havana, Cuba	FX	5.0	Algerian EMBASSY
11,000.0	425/50R	Y7A47	Berlin (Nauen), GDR	FX	5.0	MFA
11,000.0	425/50R	JYA50	Amman, Jordan	FX	3.0	Tfc/Kuwait
11,000.0	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	5.0	USN
11,000.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
11,000.7	850/50R	BBN21	Shanghai, PRC	FX	3.5	Tfc/Hong Kong
11,001.0	425/50R	Y7B72	Paris, France	FX	1.0	GDR EMBASSY
11,001.2	425/50N	....	unknown, apparently in Indonesia	FX	....
11,002.5	425/50R	LOLO5	Prague, Czechoslovakia	FX	10.0	CTK
11,003.0	425/50R	Y7F54	Damascus, Syria	FX	....	GDR EMBASSY
11,004.0	850/....	NAM	NAVCOMMSTA Norfolk, VA	FX	10.0	USN
11,004.0	USB	CNR39	Rabat, Morocco	FX	20.0	Telcom
11,005.0	CW	7RV50	Islamabad, Pakistan	FX	1.0	Algerian EMBASSY
11,005.3	850/50N	70C	Aden Aeradio, Yemen PDR (South)	AX	....
11,007.0	CW	JWT/JXU	Stavanger Naval, Norway	FX	....	Norwegian Navy
11,007.0	850/50N	9VF67	Singapore	FX	5.0	
11,009.0	FAX	....	unknown, probably in North America	FX	....
11,010.0	CW	CN098	Casablanca, Morocco	AX	0.5	NOAA reports wx broadcast at 0835
11,011.7	850/75N	ZLO29	Irirangi Naval, New Zealand	FX	10.0	RNZ Navy
11,012.0	425/50R	BAR71	Beijing, PRC	FX	10.0	XNA
11,012.5	FAX	JAL21	Tokyo, Japan	FX	5.0	Jiji
11,012.5	425/50R	JAL21	" "	FX	5.0	Jiji Nx JJ/SS
				(Not on Sundays) 0950-1120		
				[Beamed to South America]		
11,013.0	850/50R	....	Buenos Aires, Argentina	FX	10.0	DYN Nx SS 1300-0400
11,013.0	850/75R	....	unknown	FX	....	Nx/SS
11,013.2	425/50N	CTU81	Monsanto Naval, Portugal	FX	5.0	[RPFN] Port. Navy
11,015.0	AM	....	unknown	FX	....	Mx Mkr
11,015.0	USB	....	unknown	FX	....	Net/II
11,015.5	425/50R	SUU29	Cairo, Egypt	FX	....	[ESA] Meteo
11,016.0	425/50N	FZF	Fort de France, Martinique	FX	6.0	AFP Nx SS 1200-1400
						2215-2400
						[Beamed to Central America]
11,016.0	CW	M3DI	unknown	FX	....	clg JJFI
11,017.5	425/50R	BCW40	Shanghai, PRC	FX	15.0	
11,018.5	USB	CTN81	Apulia Naval, Portugal	FX	5.0	Port. Navy
11,018.5	CW	UZU8	unknown, probably in USSR	FX	....
11,020.0	425/50R	RCB52	Moscow, USSR	FX	15.0	
11,021.3	USB	TL22	Bangui, Central African Republic	FX	20.0	Telcom/Tfc
11,023.5	USB	CTH71	Horta Naval, Azores	FX	5.0	Port. Navy
11,026.5	425/50R	9RL310	Kinshasa (N'Djili) Aeradio, Zaire	AX	1.0	[ZLA] Tfc/Lusaka
11,027.0	170/75R	NGD	McMurdo Station, Antarctica	FX	1.0	NSF/USN
				(Occasional geophysical reports at 0400)		
11,027.0	425/50R	IRI20	Rome (Torrenova), Italy	FX	30.0	IINA Nx AA 1700-2000
11,028.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT3, Iwo Jima; NRV6, Marcus Is.; NRV, Barrigada, Guam & NRV7, Yap Island)
11,028.0	170/50R	9RL310	Kinshasa (N'Djili) Aeradio, Zaire	AX	1.0	[ZLA] Tfc/Lusaka
11,029.0	CW	"X3R"	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
11,030.0	FAX	AXM34	Canberra, ACT, Australia	FX	20.0	Meteo
11,030.0	850/50R	AXM34	" "	FX	10.0	[AMMC] RAAF
(Scheduled for wx broadcasts 30 minutes after each hour except at 1000, 1100, 1800, 1900, 2000, 2100 & 2200 when transmission are only 15 minutes)						
11,030.0	425/50R	BFE73	Xian, PRC	FX	10.0	Tfc/Wulumuqi
11,030.0	170/50N	CME397	Havana, Cuba	FX	0.5	British EMBASSY
11,030.0	170/75N	NRV	COMMSTA Barrigada, Guam	FX	1.5	USCG
11,030.0	170/75N	NRT	COMMSTA Totsuka, Japan	FX	0.5	USCG
11,030.0	F7B	RUZ23	Vladivostok, USSR	FX	50.0	
11,031.0	850/50N	JIA25	Tokyo, Japan	AX	5.0	
11,032.0	850/50R	XVM32	Hanoi, Vietnam	FX	3.0	Tfc/Bangkok
11,033.9	USB	FTL3	Paris (St. Assise), France	FX	20.0	Telcom
11,035.0	FAX	WFL51	New York, NY	FX	50.0	Meteo (0712-1212)
11,035.0	425/50R	....	Murmansk, USSR	FX	....	Tfc/Dikson
11,035.0	AM	....	unknown	FX	....	NUMBERS/EE/YL/3
11,035.5	425/50R	UKS	Barentsburg, Spitzbergen	FX	1.0	Tfc/ULV
11,039.0	CW	DDH9	Pinneberg, GFR	FX	1.0	Meteo/North Sea
11,040.0	B8E	ANM50	Hamala, Bahrain	FX	3.5	Telcom/Aden
11,040.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	Domestic Service
11,040.0	170/50R	CLN566	Havana (Bauta), Cuba	FX	....
11,040.0	850/50N	ZZA	Harare Aeradio, Zimbabwe	AX	4.0	Tfc/Jo'burg
11,042.0	425/50R	SRZ944	Warsaw, Poland	FX	1.0	French EMBASSY
11,042.0	CW	....	unknown	FX	....	VVV's
11,043.8	USB	....	numerous, in Brazil	FX	....	Net
11,044.5	850/...e	IBA	Naples Naval, Italy	FX	1.0	Italian Navy/NATO
11,046.0	425/50R	"H6L"	Algiers, Algeria	FX	....	French EMBASSY
11,046.0	850/50R	BAY56	Beijing, PRC	FX	15.0	Tfc/Moscow
11,048.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
11,050.0	USB	....	unknown, probably in Mexico	FX	....
11,052.0	170/...e	....	unknown	FX	....
11,053.0	850/50R	C9C77	Maputo, Mozambique	FX	7.5	
11,056.0	CW	....	Paris, France	FX	1.0	Governmental
11,056.0	USB	....	unknown	FX	....	Net/EE
11,057.5	850/50R	ZHF44	Faraday Base, Antarctica	FX	....	British expedition
11,060.0	850/50N	9VF68	Singapore	FX	5.0	
11,060.0	425/...e	....	unknown	FX	....
11,061.0	170/50R	†70C	Aden Aeradio, Yemen PDR (South)	AX	....
11,062.0	425/50N	ZUJ	Jo'burg (Jan Smuts) Aeradio, RSA	AX	5.0	
11,062.6	425/50R	STK	Khartoum Aeradio, Sudan	AX	....	[SKA] Tfc/Nairobi
11,063.0	425/50R	LZU2	Sofia, Bulgaria	FX	....	Meteo
11,065.0	425/50R	YAN25	Kabul Aeradio, Afghanistan	AX	2.5	Tfc/Teheran
11,065.0	CW	PWI	Recife Naval, Brazil	FX	2.0	Brazilian Navy
11,065.0	B8E	FTL6	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
11,065.0	850/50N	9VF69	Singapore	FX	5.0	Tfc/Beijing
11,065.0	USB	....	unknown	....	....
11,065.3	425/50N	YAV	Kabul Aeradio, Afghanistan	AX	....	[KTA] Tfc/EPD
11,067.0	piccolo	....	British Embassy	FX	....
11,070.0	850/50R	LOL	Buenos Aires Naval, Argentina	FX	3.0	Argentine Navy
11,070.0	850/50R	LOR	Puerto Belgrano Naval, Argentina	FX	3.0	Argentine Navy
(Wx broadcast at 1000)						
11,070.0	425/50N	CLN320	Havana (Bauta), Cuba	FX	20.0	PL Nx PP/SS
0300-0430 [Beamed to Portugal and Mediterranean]						
11,070.0	170/50R	CLN320	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
11,070.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
(0015-0300 & 2200-2315) [Sender 1]						
11,070.0	850/75N	KRH50	London, England	FX	1.0	USA EMBASSY
11,075.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
11,076.0	USB	....	numerous, USA nationwide	FX/MA	....	CIA/DEA/USCG
BRNCO						
clg ATLAS						
11,080.0	425/50R	XVM31	Hanoi, Vietnam	FX	3.0	Tfc
11,080.0	F1B	....	Damascus, Syria	FX	....	SANA Nx AA 0700-0900
(No newscasts on Fridays) 1200-1500						
[Non-directional]						
11,080.0	850/...e	....	unknown	FX	....
11,085.0	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
11,086.0	FAX	GFA24	Bracknell, England	FX	2.5	Meteo (cont.)
11,086.0	425/50R	†STK	Khartoum Aeradio, Sudan	AX	....
11,087.0	170/ARQ	....	Rome, Italy	FX	....	MFA
11,087.5	850/50N	9VC46	Singapore, Singapore	FX	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
11,090.0	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo (1900-2045)
11,090.0	*850/...e	↑KKNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
11,090.0c	USB	....	unknown	FX	....	VOA Feeder/CC
11,092.5	LSB	ZHH50	Jamestown, St. Helena Is.	FX	....	Tfc/Ascension
11,092.0	ISB	....	Saudi Arabia	FX	....	BSKSA Feeder
11,093.5	USB	....	numerous, in Gulf of Mexico	FX	....	Oil Rigs
11,095.0	LSB	....	Riyadh, Saudi Arabia	FX	....	Feeder
11,095.0	CW	OJC	Kuopio Rissala, USSR	FA	....
11,095.0	CW	KKN50	Washington, DC	FX	10.0	US State Dept.
11,095.3	USB	XTA9	Ouagadougou, Upper Volta	FX	6.0	Telcom
11,096.1	CW	"QSWZ"	unknown	FX	....	ASV2 DE QSWZ
11,097.0	FAX	LMO	Oslo, Norway	FX	0.5	Meteo
11,097.1	170*/50	MKD	Akrotiri, Cyprus	FX	10.0	DCN
11,100.0	AM	....	CPBS, Beijing, PRC	BC	120.0	Taiwan Service
11,100.0	B8E	ZKS28	Rarotonga, Cook Islands	FX	10.0	Telcom/Wellington
11,100.0	950/50N	RHH74	Kuibychev, USSR	FX	5.0	Meteo
11,102.0	....	"GIB7"	unknown	FA	....
11,102.0	425/...e	....	unknown	FX	....
11,102.5	850/50R	TUR5131	Abidjan, Ivory Coast	FX	1.0	
11,104.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	45.0	USAF/NASA
11,104.0	275/...e	....	unknown	FX	....
11,105.0	850/50N	9VF70	Singapore	FX	7.5	Tfc/Melbourne
11,106.0	CW	KNY29	Washington, DC	FX	1.0	British EMBASSY
11,108.0	USB	CLN321	Havana (Bauta), Cuba	FX	....	Telcom
11,108.0	FI B	"RFFM"	unknown	FX	....
11,108.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
11,110.0	425/50N	LZG2	Sofia, Bulgaria	FX	....	BTA Nx EE/FF
(No newscasts on Sundays) 1315-1345 [Beamed to Africa]						
11,110.0	425/50R	RMD	Moscow, USSR	FX	15.0	
11,111.0	Moore	CLN321	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
11,111.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	15.0	French Navy
11,111.0	850/...e	FUF	Fort de France Naval, Martinique	FX	2.5	" "
11,111.0	850/...e	FUF	Noumea Naval, New Caledonia	FX	2.5	" "
11,111.0	850/...e	RFVPM	Le Port Naval, Reunion	FX	5.0	" "
11,111.0	850/100R	....	unknown	....	....
11,112.0	LSB	AJO	Adana AS, Turkey	FX	....	USAF
11,114.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
11,114.3	425/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	2.0	[VSA] Tfc/Khartoum
11,114.4	170/50R	....	Concordia, Argentina	FX	....	Commercial Tfc
11,115.0	LSB	AEA	Pirmasens, GFR	FX	....	US Army
11,116.2	LSB	6VK311	Dakar, Senegal	FX	4.0	Telcom
11,117.5	425/50R	OLO7	Prague, Czechoslovakia	FX	30.0	Tfc/Moscow
11,118.0	USB	AEA	Pirmasens, GFR	FX	....	US Army/vm
11,118.0	LSB	AF1	"AIR FORCE ONE" (in flight)	MA	....	USAF VIP a/c
11,120.0	425/50R	BBN23	Shanghai, PRC	FX	15.0	Tfc/Phnom Penh
11,121.0	USB	AGALWP	Wright-Patterson AFB, OH	FX	2.0	USAF/MARS
11,121.0	USB	AIR	Andrews AFB, MD	FX	2.0	USAF/MARS
11,121.5	LSB	6VK311	Dakar, Senegal	FX	4.0	Telcom
11,122.5	170/75N	AGALWP	Wright Patterson AFB, OH	FX	2.0	USAF/MARS
11,122.5	170/75N	AIR	Pentagon (Andrews AFB, MD), VA	FX	2.0	USAF/MARS
11,123.5	425/50N	5YE12	Nairobi, Kenya	FX	7.5	Meteo
11,125.0	425/50R	Y3B	Berlin (Nauen), GDR	FX	20.0	ADN
11,125.0	B9W	AIF	Yokota AB, Japan	FX	1.0	USAF
11,125.0	850/50N	9VC50	Singapore	FX	5.0	
11,125.0	USB	70BA52	Aden, Yemen PDR (South)	FX	1.0	Libyan EMBASSY
11,125.0	850/50Nc	....	unknown	FX	....
11,126.5	850/50R	DFL26H2	Hamburg (Bonames), GFR	FX	20.0	DPA
11,129.5	425/50Nc	ULV	Moscow, USSR	FX	....
11,130.0	USB	NAW34	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom
11,130.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	[GCMP] USN
11,130.0	850/50N	↑NZCM	Williams Field, New Zealand	FX	....	USN
11,130.0	CW	ZLX22	Wellington (Himatangi), New Zealand	FX	5.0	NOAA reports wx broadcasts at 0200, 0500, 0520, 0810, 0840, 0910, 1800, 2040 & 2100)
11,130.0	850/50N	ZLX22	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy/Meteo (NOAA reports surface analysis at 0540 & 1730)
11,131.0	CW	RMP	Rostov Naval, USSR	FX	....	Russian Navy
11,132.0	USB	NAW	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom
11,132.0	CW	UMS	Moscow Naval, USSR	FX	5.0	Russian Navy
11,132.0	B9W	XVF	Ho Chi Minh City, Vietnam	FX	10.0	Tfc/Paris

kHz	Mode	Call	Location	Service	kW	Remarks
11,133.0	425/50R	BZG41	Wulumuqi, PRC	FX	40.0	XNA Nx FF 1430-1545 [News feed to Africa]
11,135.0	850/...e	....	unknown	FX	....
11,135.0	*425/75R	PBC911	Goeree Island Naval, Netherlands	FX	3.0	[N13A] Dutch Navy
11,135.0	CW	T18	unknown	FX	....	Coded Tfc
11,137.0	170/75Rc	....	unknown	FX	....
11,138.0	850/...e	....	unknown	FX	....
11,139.0	850/50N	JAN41	Tokyo, Japan	FX	5.0	Nx
11,140.0	*850/50N	CTV71	Monsanto Naval, Portugal	FX	10.0	Port. Navy
11,140.4	FSK	....	unknown	FX	....
11,142.0	CW	KWK95	Cairo, Egypt	FX	1.0	USA EMBASSY
11,142.0	CW	KRH50	London, England	FX	1.0	" "
11,142.0	850/75R	KWK97	Warsaw, Poland	FX	1.0	" "
11,142.5	B9W	↑WMMH71	San Francisco, CA	FX	20.0	
11,145.0	*425/50Rc	RKLM	Arkhangelsk, USSR	FX	5.0	Meteo
11,145.0	FAX	WLO	Mobile, AL	FX	....	(NOAA Test)
11,145.0	350/...e	....	unknown, probably in Far East	FX	....
11,145.8	CW	....	unknown	FX	....	Coded Tfc
11,146.0	700/...e	....	unknown	FX	....
11,147.0	*FAX	LOK	Orcadas Naval, South Orkney Is.	FX	0.2	(NOAA reports wx broadcast at 1625--September to March)
11,147.5	850/50N	9VC51	Singapore	FX	5.0	
11,148.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY
11,148.0	CW	....	Radionaval Linda-a-Velha, Spain	FX	10.0	Spanish Navy
11,149.0	375/75Nc	....	unknown	FX	....
11,150.0	B8E	JEB20	Choshi, Japan	FX	2.0	Telcom
11,150.0	425/50Rc	UPV	Dikson, USSR	FX	....	Meteo/Tfc
11,150.0	B8E	....	Greenville, NC	FX	45.0	VOA Feeder
11,151.0	170/50R	CLN523	Havana (Bauta), Cuba	FX	30.0	Tfc/London
11,152.0	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
11,152.0	LSB	AOE50	Moron AB, Spain	FX	....	USAF
11,152.7	425/50N	↑ODT	Beirut Aeradio, Lebanon	AX	....
11,153.0	425/50R	RPTI	Ponta Delgada Naval, Azores	FX	5.0	Port. Navy
11,154.9	CW	"K"	unknown	RC	....
11,156.0	CW	XSG	Shanghai Radio, PRC	FX	....	Coded Tfc
11,157.5	850/75Re	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
11,157.5	850/75Re	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
11,157.5	850/75Re	AOK	NS Rota, Spain	FX	....	USN
11,158.0	425/50R	YOL21	Crang, Rumania	FX	2.0	
11,158.1	850/50N	....	unknown, possibly India	FX	....
11,158.8	425/75Rc	....	unknown, probably in Far East	FX	....
11,160.0	425/50N	JAM21	Tokyo, Japan	FX	5.0	J1J1 Nx EE 1330-1430 (Not on Sundays) [Beamed to Southeast Asia]
11,160.0	475/50N	HMK27	Pyongyang (Jungsan), North Korea	FX	25.0	KCNA [Beamed to Central Africa]
11,161.2	CW	....	unknown	FX	....	Nx/EE/1000
11,165.0	850/50N	JAM31	Tokyo, Japan	FX	5.0	
11,165.0	*425/75R	RCF	Moscow, USSR	FX	....	MFA
11,165.0	CW	RCF	Moscow, USSR	FX	....
11,165.0	850/...e	....	unknown	FX	....
11,165.2	B8E	5TA17	Nouadhibou, Mauritania	FX	6.0	Telcom/Tfc
11,165.2	CW	LMB	Bergen, Norway	FX	0.5	NOAA reports wx broadcasts at 1305 & 2240
11,168.0	425/50N	HMS53	Pyongyang (Jungsan), North Korea	FX	10.0	KCNA Nx FF 1800 [Beamed to Eastern North America]
11,168.5	425/50N	↑9HC51B	Malta	FX	10.0	JANA
11,169.0	USB	AIE	Andersen AFB, Guam	FX	3.0	USAF
11,170.0	425/50N	CML	Havana (S. Pedro Bauta), Cuba	FX	5.0	
11,170.0	850/75R	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
11,170.0	850/50R	5HD1	Dar es Salaam Aeradio, Tanzania	AX	....	[DBA]
11,170.0	170/50R	....	unknown	....	....
11,170.2	475/50N	HMS52	Pyongyang (Jungsan), North Korea	FX	10.0	KCNA Nx EE 0400-0730 Nx SS 0730-1130 (Not on Sundays) [Beamed to the Americas]
11,173.0	850/50N	CAK	Santiago (Los Cerrillos AB), Chile	AX	....	Chilean AF
11,173.0	LSB	....	unknown	FX	....	Telcom/FF

11,175.0 - 11,400.0 kHz — AERONAUTICAL MOBILE (Worldwide)

11,176.0 USB several, GFR FA/MA ... RAF (Includes:

kHz	Mode	Call	Location	Service	kW	Remarks
Upper Heyford, England, Bruggen AB, Wildenrath AB, etc.						
11,176.0	USB	....	numerous, worldwide	FA/MA ...	USAF (Usually	
			AIE2, Andersen AFB, Guam; AJE, Croughton, England; NKW, Diego Garcia; AKA5, Elemendorf AFB, AK; AIF2, Yokota AB, Japan; AGA2, Hickam AFB, HI, AJG9, Incirlik AB, Turkey; AIC2, Clark AB, Philippines; etc.)			
11,176.0	CW	CF8	unknown	....	
11,179.0	USB	....	numerous, worldwide	FA/MA ...	USAF (Usually	
			AFA3, Andrews AFB, MD; AFE8, MacDill AFB, FL; AGA2, Hickam AFB, HI; AIE2, Andersen AFB, Guam & AIF2, Yokota AB, Japan)			
			[May be used for SKY KING broadcasts]			
11,180.0	USB	AFA3	Andrews AFB, MD	FA/MA ...	USAF [Has been	
			contacted by "AIR FORCE ONE" when overseas]			
11,180.5	USB	ZKW	Wigram, New Zealand	FA/MA 1.0	RNZAF	
11,182.0	USB	....	numerous, in the USA	FA/MA ...	USAF/USN (In	
			addition to use by AFL, Loring AFB, ME; AFE38, Maxwell, AFB, AL; AGF37, Scott AFB, IL; etc. This channel used by foreign Allied in-flight within USA air space)			
			[Occasional use for SKY KING and MAINSAIL broadcasts]			
11,184.0	USB	....	several	FA/MA ...	USAF	
11,185.0	USB	....	England	FA/MA ...	RAF	
11,186.0	CW	....	numerous, worldwide	FA	....	USN
11,187.0	USB	....	Lufthansa house	FA/MA	....
11,188.4	250/...e	....	unknown	FX	....
11,190.0	525/...e	....	unknown	FX	....
11,191.0	USB	....	numerous, worldwide	FA/MA	....	USN
11,192.0	FAX	....	unknown	FX	....
11,192.0	USB	....	Novosibirsk Aeradio, USSR	FA	....	Meteo wx HJ
11,193.0	CW	RNFV	Moscow Radio, USSR	FA	....	VOLMET (10+40)
11,193.5	USB	GFO	Lossiemouth (Milltown), Scotland	FA	1.0	British Naval Air
11,194.0	LSB	....	several, USA nationwide	FA	....	USN
11,194.0	USB	....	several, western USA	FA/MA	....	Test Flights
11,195.0	USB	....	numerous, in USA	MA	....	USN/USCG
11,198.0	USB	....	Lvov, USSR	....	....	Meteo in RR
11,198.0	USB	....	Rostov, USSR	....	....	Meteo (10+40) in RR
11,198.0	USB	....	numerous, USA nationwide	FA/MA	....	USCG Helio-copters [shared with USN]
11,200.0	850/50R	BAM71	Beijing, PRC	FX	15.0	XNA
11,200.0	425/50R	BMB7	Kunming, PRC	FX	5.0	Tfc/Beijing
11,200.0	USB	MVU	West Drayton (Upavon), England	FA	2.5	RAF VOLMET
11,201.0	USB	....	Opa Locka CGAS (Miami), FL	FA	....	USCG
11,201.0	USB	....	Otis AS (Falmouth), MA	FA	....	USCG
11,201.0	USB	....	Corpus Christi CGAS, TX	FA	....	USCG
11,201.0	USB	....	numerous, USA nationwide	MA	....	USCG/USN (Major air/surface frequency)
11,204.0	USB	....	"Belize Flight Watch", Belize	FA	....	RAF
11,204.0	USB	....	"ARCHITECT" in England	FA/MA	....	RAF/Wx (00,30)
11,205.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
11,207.0	USB	AJE	Croughton (Barford), England	FX	....	AFTRS Feeder
11,207.3	650/...e	....	unknown, probably in Far East	FX	....
11,208.0	CW	FKO	Djibouti, Djibouti	FA	....	French AF
11,209.0	B8E	CUW3	Lajes Field, Azores	FA/MA	...	USAF
11,209.0	USB	....	several, in Canada & Europe	FA/MA	...	RCAF (Usually
			CHR, "Trenton Military", Ont; CJX, "St. Johns Military", Nfld.; DHM95, "Lahr Military", GFR; VAF, "Alert Military", NWT; VXA, "Edmonton Military". Alta.; etc.)			
11,210.0	FAX	....	unknown	FX	....
11,210.5	850/...e	....	numerous, worldwide	FX	....	USN
11,214.0	USB	....	numerous, throughout Australia	FA/MA	...	RAAF
11,215.0	USB	....	Lima LDOC	FA	....
11,215.0	USB	....	several, USA nationwide	MA	....	AWACS
11,218.7	850/...e	....	unknown	FX	....
11,220.0	850/75N	↑KWS78	Athens, Greece	FX	1.0	USA EMBASSY
11,222.0	USB	....	Enkoping, Sweden	FA	....
11,222.0	USB	....	Stockholm Aeradio, Sweden	FA	5.0	Meteo/Tfc
11,222.0	850/50	....	Riyan Met or Air, PDR Yemen (South)	AX?	....	[RWB]
11,222.0	850/100R	....	unknown	....	....
11,222.5	900/50N	↑"JGJG"	Indian Army	FX	1.0	Indian Army
11,222.5	CW	BXT47	unknown	FX	....	PRC EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
11,223.0	USB	CHR	"Trenton Military", Ont., Canada	FA	....	RCAF
11,224.0	USB	....	Auckland AB, New Zealand	FA/MA	...	RNZAF
11,226.0	LSB	....	numerous, worldwide	FA/MA	...	USAF (For list of possible stations see 11,176.0)
11,228.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF
11,228.0	USB	....	unknown, "TEAL" & "GULL" a/c during hurricane			
11,229.2	425/....e	....	unknown	FX	....
11,230.0	475/50R	HMR56	Pyongyang, North Korea	FX	....	KCNA Nx FF 1145-1445 (Not on Sundays) [Beamed to North Africa] EE 1500-1730 (Not on Sundays) [Beamed to Europe] FF 1800-2100 (Not on Sundays) [Beamed to North Africa]
11,233.0	USB	....	several, in Canada & Europe	FA/MA	...	RCAF (For list of stations see 11,209.0)
11,234.0	425/50R	BAK61	Beijing, PRC	FX	50.0	XNA [Beamed to the Caribbean]
11,234.0	USB	NKW	"Diego Tower", Diego Garcia	FA/MA	...	USN/USAF
11,234.0	USB	MQP	"ARCHITECT", Upavon, England	FA/MA	....	RAF
11,234.0	USB	....	several, around the world (Includes: "Belize Flight Watch"; GFG, "Cyprus Flight Watch" [Wx 00+30]; GFG, "Gibraltar Flight Watch". etc.)	FA/MA	...	RAF/RCAF
11,234.0	USB	MLU	Gibraltar	FA/MA	....	RAF
11,235.0	USB	....	numerous, Australia nationwide AXD, "Air Force Laverton", Vic.; AXF, "Air Force Sydney", NSW; AXH, "Air Force Townsville"; Qld.; AXI, "Air Force Darwin", NT; AXK, "Air Force Sale", NSW; AXS, "Air Force Learmouth", WA; AXT, "Air Force Edinburgh", SA; etc.)	FA/MA	...	RAAF (Usually)
11,235.0	AM	....	RADIO BEIJING (Beijing), PRC	BC	50.0	External Service
11,235.6	FAX	....	unknown	FA	....
11,237.5	AM	....	unknown	FX	....	NUMBERS/GG/YL
11,237.5	USB	....	Berlin (Schoenefeld), GDR	FA	....
11,239.0	USB	....	numerous, Australia nationwide	FA/MA	...	RAAF [Alternate to 11,235.0]
11,239.0	USB	AFI2	McClellan AFB, CA	FA	....	USAF (Used for SKY KING broadcasts)
11,241.0	850/50N	TOBY	Pacasmayo Naval, Peru	FX	....	Peruvian Navy
11,243.0	USB	MJV	Falmouth (Culdrose), England	FA	1.0	RAF
11,243.0	USB	....	numerous, worldwide SKY KING broadcasts--some code names used for various Air Bases--was called the "ALFA ONE" frequency--now part of "GIANT TALK")	FA/MA	...	USAF (Used for)
11,246.0	B8E	....	numerous, worldwide [May be used by "AIR FORCE TWO"]	FA/MA	...	USAF/USCG/USN
11,247.0	USB	....	numerous, worldwide	FA/MA	...	USAF
11,247.5	850/75N	VZRJ	unknown, probably in Australia	FX	....
11,249.0	USB	CZW	"Halifax Military", NS, Canada	FA	0.4	RCAF
11,249.0	425/75R	5KM	Bogota Naval, Colombia	FX	....	Colombian Navy
11,249.0	USB	....	several, USA nationwide	FA/MA	...	USAF
11,249.0	USB	....	[May be used by "AIR FORCE ONE" and "AIR FORCE TWO"]			
11,252.0	LSB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
11,252.0	USB	AGAR 07	unknown		....
11,254.0	850/....e	....	unknown	FX	....
11,255.0	USB	....	numerous, worldwide & Antarctica	FA/MA	...	NSF/USN
11,256.0	USB	....	House freq for AIR PACIFIC			
11,256.8	850/75N	"Z3N"	unknown	FA	....
11,257.0	USB	....	Alconbury AB, England	FA/MA	...	RAF
11,258.0	USB	....	numerous, mostly Pacific area	FA/MA	...	USN
11,258.5	FAX	....	unknown	FA	....
11,260.0	850/....e	....	unknown	FX	....
11,263.0	170/50N	TTL	unknown		....
11,265.0	USB	....	several, in Canada & Europe	FA/MA	...	RCAF (For list of stations see 11,209.0)
11,267.0	USB	....	numerous, worldwide uses this frequency for coordination/USAF uses this frequency for SKY KING broadcasts)	FA/MA	...	USAF/USN (USN)
11,268.4	170/ARQ	....	unknown		....
11,273.0	USB	LZY	Burgas, Bulgaria	AX	....	Meteo (06-16)

kHz	Mode	Call	Location	Service	kW	Remarks
11,278.0	CW	†CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
11,279.0	USB	....	numerous (ICAO NAT-D) route throughout far northern Atlantic Ocean & Arctic re- gions—usually heard are the Bodo, Frobisher, Gander, Reykjavik, Sondrestrom, etc. airports	FA/MA	...	Airports & en-
11,279.0	USB	....	Riga Aeradio, Latvian SSR	FA	....	Meteo/RR (00+30) HJ
11,279.0	USB	....	Tbilisi, Georgian SSR	FA	....	Meteo/RR (00+30)
11,279.0	USB	....	Kiev Aeradio, Ukrainian SSR	FA	....	Meteo/RR (20+50)
11,279.0	USB	....	Leningrad Aeradio, USSR	FA	....	Meteo/RR (05+35) HJ
11,279.0	USB	....	Moscow (Sheremetyevo) Radio, USSR	FA	....	Meteo/RR (15+45) HJ
11,279.0	USB	....	Rostov Aeradio, USSR	FA	....	Meteo/RR (10+40)
11,282.0	850/50N	OBC	Callao Naval, Peru	FX	....	Peruvian Navy
11,282.0	850/50N	OBY	Pacasmayo Naval, Peru	FX	....	Peruvian Navy
11,282.0	USB	....	several (ICAO CEP-5)	FA/MA	...	Enroute between Honolulu & San Francisco airports
11,282.0	850/50N	"C8R"	unknown	..	....	SS
11,282.0	170/50N	"V2H"	unknown	..	....	VICTOR DOS HOTEL
11,282.0	850/50N	Y5F	unknown	..	....	SS
11,287.0	USB	....	several, western USA	FA/MA	....	In-flight Tests
11,290.0	AM	....	RADIO BEIJING (Beijing), PRC	BC	10.0	Domestic Service
11,291.0	CW	"F"	unknown	....	....	Beacon
11,291.0	USB	....	numerous (ICAO SAT-2) route over the South Atlantic Ocean—usually heard are the Brasilia, Las Palmas/Canaries Radio, Dakar, Recife, Sal, etc. airports	FA/MA	...	Airports & en-
11,297.0	USB	....	Algiers, Algeria	FA	....	Meteo/FF (00+30)
11,297.0	USB	....	Riga, Latvian SSR	FA	....	Meteo/RR (00+30)
11,297.0	USB	....	Leningrad, USSR	FA	....	Meteo/RR (05+35)
11,297.0	USB	....	Rostov, USSR	FA	....	Meteo/RR (25+55)
11,297.0	USB	....	Kiev, Ukraine, SSR	FA	....	Meteo/RR (20+50)
11,298.4	250/...e	....	unknown	FX	....
11,300.0	USB	....	numerous (ICAO AFI-3) route over the Arabian Sea from India to all of the eastern half of Africa—usually heard are the Aden, Addis Ababa, Asmara, Benghazi, Bombay, Bujumbura, Cairo, Cocos, Colombo, Dar es Salaam, Djibouti, Hargeisa, Jeddah, Khartoum, Mogadiscio, Nairobi, Riyan, Tripoli, etc. airports	FA/MA	...	Airports & en-
11,300.0	850/50N	†....	unknown, possibly near NY	FX	....	Coded Tfc
11,300.1	425/50N	....	unknown	FX	....	RYRY
11,303.0	CW	FUJ	Noumea Naval, New Caledonia	FX	10.0	French Navy
11,303.0	USB	....	Budapest, Hungary	FA	....
11,303.5	*F1B	†KNY21	Washington, DC	FX	1.0	Yugoslav EMBASSY
11,305.0	USB	....	unknown, probably S. America			
11,307.0	850/75N	KNY60	Washington, DC	FX	....	EMBASSY
11,309.0	USB	....	numerous (ICAO NAT-A/NAT-B/NAT-C/NAT-D) route covering all North Atlantic Ocean crossings— usually heard are the Bodo, Cambridge Bay, Churchill, Frobisher, Gander, Lisbon, New York, JFK, Reykjavik/Ice- land, San Juan, Santa Maria, Shanwick, Sondrestrom, etc. airports	FA/MA	...	Airports & en-
11,311.0	USB	....	Ottawa Dispatch (LD0C)	FA	....
11,312.0	CW	COL	Havana Air, Cuba	FA/MA	...	Aeroflot
11,312.0	CW	RFNV	Moscow Air, USSR	FA/MA	....	Meteo (10+40)
			Aeroflot working in-flight to/from Moscow/Havana			
11,313.4	425/50R	....	unknown	....	
11,315.0	USB	....	VOLMET Caribbean			
11,318.0	USB	....	Sverdlovsk, USSR	FA	....	VOLMET RR +05, 35
			Yeniseysk, USSR	FA	....	VOLMET RR +10, 40
			Kuybyshev, USSR	FA	....	VOLMET RR +15, 45
			Syktvykar, USSR	FA	....	VOLMET RR +00, 30
11,319.0	USB	VYW61	Montreal Radio, PQ, Canada	FA	1.0	
11,319.0	USB	ZKRG	Rarotonga Radio, Cook Islands	FA	1.0	
11,319.0	USB	....	Syktvykar Radio, USSR	FA	....	Meteo/RR (00+30) HJ
11,319.0	USB	....	Sverdlovsk Radio, USSR	FA	....	Meteo/RR (05+35) HJ
11,319.0	USB	....	Yeniseysk Radio, USSR	FA	....	Meteo/RR (10+40) HJ
11,319.0	USB	....	Kurumoch/UFA Radio, USSR	FA	....	Meteo/RR (15+45) HJ
11,319.0	USB	....	Salekhard Radio, USSR	FA	....	Meteo/RR (25+55) HJ
11,327.0	USB	....	unknown	FA	....	SS
11,330.0	AM	....	RADIO BEIJING (Beijing), PRC	BC	10.0	Domestic Service
11,333.0	USB	....	numerous (ICAO NP-3/NP-4)	FA/MA	...	Airports & en-

kHz	Mode	Call	Location	Service	kW	Remarks
			route over the Northern Pacific--usually heard are the Anchorage, Beijing, Cold Harbor, Khabarovsk, Shanghai Tokyo, etc. airports			
11,336.0	USB	....	numerous (ICAO NAT-A/NAT-B/NAT-C/NAT-D)	FA/MA	Airports & en-	
			route covering all North Atlantic Ocean crossings--usually heard are the Bodo, Cambridge Bay, Churchill, Frobisher, Gander, Lisbon, New York/JFK, Reykjavik/Iceland, San Juan, Santa Maria, Shanwick, Sondrestrom, etc. airports			
11,334.0	425/75R	BZE32	unknown	FX	....
11,339.0	USB	....	numerous (SP-9)	FA/MA	....	Airports & en-
			route reserved for the islands in the South Pacific--filed for operation are the Alofi, Apia, Auckland, Funafuti [T2U], Nauru, Noumea, Port-Vila [YJB7008], Raratonga [ZKRG], Tarawa, etc. airports			
11,340.0	AM	....	RADIO PYONGYANG, PDR Korea	BC	....	Domestic Service
11,342.0	USB	....	numerous (LDOC)	FA/MA	....	Usually heard are
			carriers with facilities at the San Juan and Tokyo airports			
11,342.0	USB	....	"SELCO WATCH"	FA/MA	....
11,345.0	USB	....	numerous (LDOC)	FA/MA	....	Usually heard are
			carriers with facilities at Bogota, Caracas/Maiquetia [YVL423], Lima, Stockholm, etc. airports			
11,348.0	USB	....	numerous (LDOC)	FA/MA	....	Usually heard are
			carriers with facilities at the Lod [4XL], Mauritius, Monrovia/Roberts, San Francisco, Teheran, etc. airports			
11,351.0	USB	....	numerous (LDOC)	FA/MA	....	Usually heard are
			carriers with facilities at the Beijing, Belgrade, Budapest, Karachi, Paris, Rangoon, Warsaw, etc. airports			
11,354.0	USB	....	numerous (LDOC)	FA/MA	....	Usualu heard are
			carriers with facilities at the Bahrain, Jo'Burg (Jan Smuts), Luanda [D3N23], etc. airports			
11,355.0	CW	†FDA35	Lyons Air, France	FA	....	French AF
11,357.0	CW	YRA	Bucharest Aeradio, Rumania	FA/MA	....
11,359.0	USB	....	several (interior USSR)	FA	....	Meteo
11,359.9	850/...e	....	unknown	FX	....
11,360.0	USB	....	numerous (ICAO NW-SAM/SW-SAM)	FA/MA	....	Airports & en-
			route covering southwestern South America--usually heard are the Antofagasta, Arica, Buenos Aires, Cordoba, Lima, Mendoza, Pascua/Easter Island, Puerto Montt, Punta Arenas, Salta, Santiago, etc. airports			
11,362.0	425/75R	BXT11	unknown	FX	....	PRC EMBASSY
11,363.0	USB	....	numerous, throughout Alaska	FA	....
11,364.0	325/75Nc	....	unknown	FX	....
11,366.0	USB	PRQ863	Belem Radio, Brazil	FA/MA	0.5	
11,366.0	USB	PRJ652	Recife Radio, Brazil	FA/MA	0.5	
11,375.0	AM	....	RADIO BEIJING, PRC	BC	....	Domestic Service
11,376.0	CW	"ROR"	unknown	FX	....
11,377.0	USB	....	Yuma MCAS, AZ	FA	....	McD-Douglas
11,384.0	USB	....	Burgas (Sofia) Radio, Bulgaria	FA	....	VOLMET (25+55)
11,384.0	USB	....	Prague Radio, Czechoslovakia	FA	....	VOLMET
11,384.0	USB	....	Ben Gurion Radio, Israel	FA	....	VOLMET
11,384.0	USB	....	numerous (ICAO CWP-2)	FA/MA	....	Airports & en-
			route some of the far western Pacific Ocean--usually heard are the Guam, Honolulu, Manila, Naha, Tokyo, etc. airports			
11,387.0	USB	VLS	Sydney Radio, NSW, Australia	FA	3.0	VOLMET (00+30)
11,387.0	USB	....	Bombay Radio, India	FA	0.8	VOLMET (25+55)
11,387.0	USB	....	Calcutta Radio, India	FA	....	VOLMET (05+35)
11,387.0	USB	....	Karachi Radio, Pakistan	FA	....	VOLMET (15+45)
11,387.0	USB	9VA43	Singapore Radio, Singapore	FA	4.0	VOLMET (20+50)
11,387.0	USB	....	Bangkok Radio, Thailand	FA	1.6	VOLMET (10+40)
11,387.0	USB	....	numerous (ICAO E-CAR/CAR-A)	FA/MA	....	Airports & en-
			route covering the Caribbean--usually heard are the Barranquilla, Bogota, Caracas/Maiquetia, Cayenne, Curacao, Georgetown, Havana/Boyeros, Miami, New York, Piarco/Port of Spain, San Andres, San Juan, Santo Domingo/Caudero, etc. airports			
11,390.0	USB	VYK71	Carey Lake, Ont., Canada	FA/MA	0.1	
11,390.0	*USB	UGAB	Moscow (Tuchino) Radio, USSR	FA	....	Met Reports
11,391.2	250/...e	....	unknown	FX	....
11,393.0	USB	....	VOLMET Baghdad/Bahrain/Beirut/Cairo/Istanbul/Teheran			
11,395.0	CW	CCS	Santiago Naval, Chile	FX	....	Chilean Navy

kHz	Mode	Call	Location	Service	kW	Remarks
11,396.0	USB	....	numerous (ICAO SEA-2 & SEA-3)	FA/MA ...		Airports & en-route covering most of Southeast Asia--usually heard are the Bali, Darwin, Guangzhou, Hong Kong, Jakarta, Kuala Lumpur, Manila, Penang, Perth, Singapore, Ujung, Pandang, etc., airports)
11,396.0	USB	....	numerous (ICAO W-CAR)	FA/MA ...		Airports & en-route throughout Central America, Caribbean & southern USA--usually heard are Panama, Guatemala, Havana/Boyerros, Kingston, Merida, Miami, New Orleans, New York, San Andres, San Jose/Coco, Santiago, Tapachula, Tegucigalpa, etc. airports
11,396.0	USB	KJY74	"Miami Monitor", FL	FA/MA ...		NOAA
11,400.0 - 11,650.0 kHz — FIXED SERVICE (Worldwide)						
11,400.0	425/50R	†BBE3	Shanghai, PRC	FX	....
11,400.5	CW	IBA	Naples Naval, Italy	FX	5.0	Italian Navy/NATO
11,401.0	USB	KUP67	Truk Radio, Caroline Islands	AX	1.0	DOI
11,401.0	USB	KWH76	Agana Radio, Guam	AX	....	DOI
11,401.0	USB	KUP66	Pareu Radio, Ponape, Caroline Is.	FX	1.0	Aero Tfc
11,401.0	USB	....	US Dept Interior for Micronesia Airline			
11,401.0	USB	....	Saipan & Majuro "Flight Reservations"			
11,401.0	F1B	HBO41	Geneva, Switzerland	FX	10.0	Tfc
11,401.0	CW	....	unknown	FX	....	Tfc/FF
11,402.0	USB	KUP65	Majuro Radio, Marshall Islands	AX	1.0	Aero Tfc
11,402.2	170/75N	....	numerous, USA nationwide	FX	....	USN/MARS
11,402.5	USB	BAZ21	Beijing, PRC	FX	10.0	Telcom/Berlin
11,402.5	USB	KGA57	Agana Radio, Guam	AX	0.1	DOI
11,402.5	USB	KWT73	Honolulu Radio, HI	AX	1.0	DOI
11,402.6	CW	"NAT"	unknown	FX	....
11,403.5	USB	....	several, Zaire nationwide	FX	....	UNO
11,406.0	425/50R	BAP51	Beijing, PRC	FX	5.0	XNA
11,406.0	CW	COY895	Havana Naval, Cuba	FC	....	Russian Navy
11,406.0	FAX	CLN324	Havana (Bauta), Cuba	FX	20.0	Nx
11,407.0	USB	....	numerous, worldwide	FX	....	USAF (Includes: AIE, Andersen AFB, Guam; AGA, Hickam AFB, HI; AFH39, March AFB, CA; AFS, Offutt AFB, NE; etc.)
11,408.5	425/...e	AFH39	March AFB, CA	FX	2.0	USAF
11,410.0	425/50R	BOC2	Xian, PRC	FX	8.0	Tfc/Shanghai
11,410.0	170/50R	CLN324	Havana (Bauta), Cuba	FX	20.0	Tfc/Berlin, GDR
11,410.0	USB	....	several	FX	....	MARS
11,412.0	CW	CSF37	Funchal, Madeira Islands	FX	1.0	Port. AF
11,412.0	FAX	HMG62	Pyongyang (Bosong), PDR Korea	FX	5.0	KCNA Nx
0300-0600, 1000-1300 & 2200-0100						
11,412.0	425/50Rk	HMG62	Pyongyang (Bosong), PDR Korea	FX	5.0	KCNA Nx Korean [Beamed to Japan]
0345-0600 & 2200-0100						
11,412.0	CW	CSF25	Lisbon, Portugal	FX	1.0	Port. AF
11,413.5	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
11,414.0	B8E	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	45.0	USAF/NASA
11,414.6	850/50R	....	unknown	FX	....	Meteo
11,415.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	[GCMF] USN
11,415.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	3.0	USN
11,416.0	425/50R	IRT24	Rome (Torrenova), Italy	FX	10.0	
11,416.0	425/50N	9KE295	Jeddah, Saudi Arabia	FX	1.0	Kuwait EMBASSY
11,416.1	425/50R	YWQ11	Maiquetia Aeradio, Venezuela	AX	1.0	Tfc/Miami
11,418.0	850/50R	SOL241	Warsaw, Poland	FX	10.0	
11,418.0	850/50R	....	Lisbon, Portugal	FX	....	Algerian EMBASSY
11,419.0	CW	FKO	Djibouti Air, Djibouti	FX	....	French AF
11,419.5	425/50N	VNA86	Hanoi, Vietnam	FX	....	VNA Nx EE/FF/VV [Irregular Schedule]
11,420.0	LSB	GLY31	London (Rugby), England	FX	30.0	Telcom/Falklands
11,421.6	850/50N	....	unknown	FX	....
11,425.0	425/50R	BUA61	Wulumuqi, PRC	FX	3.5	XNA
11,425.0	425/50R	SOL242	Warsaw, Poland	FX	20.0	
11,425.0	LSB	†CUG30	Lisbon (Alfragide), Portugal	FX	10.0	Telcom
11,425.0	425/50N	5HD20	Tanzania	FX	....
11,425.0	USB	....	unknown	FX	....	Net/SS
11,427.0	B8E	ZPG14	Asuncion, Paraguay	FX	10.0	Telcom/Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
11,428.0	425/50R	XVN76	Hanoi, Vietnam	FX	10.0	Tfc/Pyongyang
11,429.0	850/50N	NAU	NAVCOMMSTA San Juan, PR	FX	....	USN
11,430.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
11,430.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	[GCMF] USN
11,430.0	850/75Re	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
11,430.0	*425/50Rc	HMN53	Pyongyang (Jungsan), North Korea	FX	10.0	KCNA Nx RR 1230-1430 [Beamed to Europe]
				(Not on Sundays)		
11,430.0	CW	UMS	Moscow Naval, USSR	FX	....	Russian Navy
11,431.5	425/50R	STK	Khartoum Aeradio, Sudan	AX	....
11,431.5	425/50N	HZJ	Jeddah Aeradio, Saudi Arabia	FX	....
11,432.0	425/50N	CAI7E	Pascua, Easter Island	FX	....
11,432.0	CW	HMN51	Pyongyang (Jungsan), North Korea	FX	10.0	VVV's
11,432.0	475/50N	HMR51	" " " "	FX	10.0	KCNA Nx FF 2130-2400 [Beamed to Europe]
				(Not on Sundays)		
11,432.0		HMR53	unknown	....	FF	
11,433.3	F1B	....	Rabat, Morocco	FX	....	EMBASSY
11,434.0	325/50N	VNV13Ø	Sydney (Doonside), NSW, Australia	FX	30.0	AAP Nx EE 1100-1245
11,434.6	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC; plus transportables) [Alt: 10,136.8 & 11,513.6]
11,434.6	USB	....	Pacific Domestic Emergency Net	FXX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NRV, Barrigada, Guam; plus transportables) [Alt: 10,166.6 & 11,513.6]
11,435.0	CW	OVC	Groennedal, Greenland	FX	5.0	Danish Marine
11,435.0	CW	OVH	Oestgroenlanske, Greenland	FX	....	" "
11,435.0	CW	OVL	Torshaven, Faroe Islands	FX	....	" "
11,435.0	700/50N	CXK	Carrasco Aeradio, Uruguay	AX	....	[MRA] Tfc/Rio
11,435.0	*850/...e	....	unknown	FX	....
11,435.2	USB	VNV13Ø	Sydney (Doonside), NSW, Australia	FX	....	Telcom/Mawson
11,436.6	USB	OVC	Groennedal, Greenland	FX	5.0	Danish Marine
11,440.0	425/50R	BBN31	Shanghai, PRC	FX	5.0	Tfc/Sydney
11,440.0	850/50N	EIP	Shannon Airport, Ireland	AX	5.0	[SMA] Tfc/Azores
11,440.0	CW	PLC	Jakarta, Indonesia	FX	3.0	TIME SIGNALS
11,441.0	USB	....	several, USA nationwide	FX	....	USAF/NORAD
11,442.4	425/75R	....	unknown	FX	....	UPI Nx PP
11,443.0	425/50R	9JZ9	Lusaka Aeradio, Zambia	AX	1.5	[LZA] Tfc/Kinshasa
11,444.0	425/50R	FDY	Orleans, France	FA	....
11,444.0	CW	SOL244	Warsaw, Poland	FX	20.0	PAP Nx Polish
				1400-1500		(To Fishing Fleet)
11,448.0	*USB	Y7L36	Havana, Cuba	FX	3.0	GDR EMBASSY [aka CME31Ø]
11,448.0	425/50R	Y7A48	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
11,448.0	*425/50R	Y7A48	Berlin (Nauen), GDR	FX	20.0	EMBASSY
11,448.0	CW	"H6A21"	Managua, Nicaragua	FX	....	GDR EMBASSY
11,448.0	*425/50R	Y7C31	Warsaw, Poland	FX	1.0	GDR EMBASSY
11,448.0	*425/50R	KNY37	Washington, DC	FX	1.0	GDR EMBASSY
11,448.0	170/50R	†....	unknown	FX	....	EMBASSY
11,450.0	CW	4UD	Dhaka, Bangladesh	FX	....	UNO
11,450.0	1000/50N	RDD77	Moscow, USSR	FX	20.0	Meteo
11,450.0	850/50N	CVM2	Montevideo, Uruguay	FX	4.0	
11,451.0	425/50Rc	HMN51	Pyongyang, PDR Korea	FX	....	KCNA Nx RR 1230-1430 [Beamed to Europe]
11,453.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
11,453.1	750/50N	IMB33	Rome, Italy	FX	5.0	Meteo
11,454.0	CW	LBA9	Stavanger Naval, Norway	FX	....	Norwegian Navy (aka JWT & LBA2)
11,455.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
11,455.0	*425/75R	BX044	Warsaw, Poland	FX	1.0	PRC EMBASSY
11,456.0	850/75Ne	....	unknown	FX	....	USN
11,456.5	425/75N	WFK51	New York, NY	FX	50.0	USIA Nx EE [Beamed to Europe]
11,458.2	750/...e	....	unknown	FX	....
11,459.0	*425/50R	Y7A49	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
11,459.0	*425/50R	Y7A49	Berlin (Nauen), GDR	FX	20.0	EMBASSY
11,459.0	CW	Y7B23	Moscow, USSR	FX	....	GDR EMBASSY
11,460.0	LSB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF VIP a/c
11,461.0	*FAX	WFK21	New York, NY	FX	50.0	Tfc/AP Nx
11,462.0	LSB	....	numerous, Argentina nationwide	FX	....	Government

kHz	Mode	Call	Location	Service	kW	Remarks
11,462.0	850/...e	....	unknown, probably in Far East	FX	....
11,462.2	F7B	UZWR	Sukhumi, Georgian SSR	FX	60.0	
11,463.5	850/75Ne	ZLK35	Christchurch Naval, New Zealand	FX	5.0	NSF/USN
11,465.0	B8E	VNV49	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/Norfolk
11,465.5	425/50R	JYN	Amman Aeradio, Jordan	AX	....
11,465.8	B8E	HB051	Geneva, Switzerland	FX	20.0	Tfc
11,470.0	850/75R	AME3	Madrid Radionaval, Spain	FX	....	Spanish Navy
11,470.0	425/50R	RNK33	Moscow, USSR	FX	20.0	TASS Nx EE 1415-2400 [Beamed to Southeast Asia]
11,470.0		RNK33	unknown		....	TASS
11,472.0	B8E	ZPG15	Asuncion, Paraguay	FX	10.0	Telcom
11,474.0	850/50N	ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
11,474.0	CW	KKN44	Monrovia, Liberia	FX	1.0	" "
11,474.0	CW	KGO58	unknown	FX	....	" "
11,475.0	CW	7RP30	London, England	FX	....	Algerian EMBASSY
11,475.0	FAX	HYM23	Pyongyang, PDR Korea	FX	10.0	KNCA Nx pics [Non-directional]
				0030-0100		[Beamed to North America]
11,475.0	FSK	HYM23	Pyongyang, PDR Korea	FX	10.0	
11,475.0	F1B	HYM33	" " "	FX	10.0	KNCA Nx EE 0400-0730
				FX	10.0	KNCA Nx SS 0730-1100
				& 2130-2300		[Beamed to North America]
11,475.0	850/50N	9VC52	Singapore	FX	5.0	
11,475.5	CW	7RV70	Sofia, Bulgaria	FX	....	Algerian EMBASSY
11,476.0	425/50R	CLN325	Havana (Bauta), Cuba	FX	20.0	
11,477.5	850/50N	TNH4	Brazzaville, Congo	FX	20.0	
11,478.0	*170/75R	ETK47	Addis Ababa, Ethiopia	FX	1.0	Polish EMBASSY
11,480.0	FAX	....	BA sked NA photos 9/1/83	0100-0200 (Not Sa/Su.);		2000-2200 (N. Su.) 2100-2300 (Sundays, only)
11,480.0	425/50R	RGE32	Moscow, USSR	FX	20.0	Tfc
11,482.5	850/...e	NSS	NAVCOMMSTA Washington, DC	FX	40.0	USN
11,485.0	850/...e	....	unknown	FX	....
11,487.0	F7B	UYN5	Donetsk, USSR	FX	60.0	
11,487.3	B9W	ASH	Rawalpindi, Pakistan	FX	....	Tfc
11,487.5	850/50N	JAW41	Tokyo, Japan	FX	5.0	
11,488.0	CW	RJM	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
11,488.0	USB	....	numerous, USA nationwide	FX	....	FBI Backup Net (Most recently reported have included: KAG69, Denver, CO; KAG78, Kansas City, MO; KAG98, Omaha, NE; etc.)
11,489.9	525/...e	....	unknown	FX	....
11,490.0	425/75N	....	Poros Union, Philippines	FX	35.0	USIA Nx [Beamed to Southeast Asia]
11,494.0	425/75R	BBH33	Shanghai, PRC	FX	50.0	
11,494.0	F1B	SOL249	Warsaw, Poland	FX	20.0	PAP Nx Polish
11,494.0	*425/50R	SOL249	Warsaw, Poland	FX	20.0	PAP Nx EE 1700 [Beamed to the Middle East]
11,494.0		SOL249	unknown			
11,494.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes: AFC24, Westover AFB, MA; AFF7, Davis-Monthan AFB, AZ; AFH39, March AFB, CA; AFX, Barksdale AFB, LA; AGF14, Grand Forks, ND; AFS, Offutt AFB, NE; etc.)
11,495.0	B8E	5YF52	Nairobi, Kenya	FX	8.0	Telcom
11,495.0	425/50R	9KT282	Huban, Kuwait	FX	8.0	KUNA [Beamed to North Africa]
11,495.0	850/50N	P2A2	Port Moresby, Papua New Guinea	FX	1.0	Tfc/Townsville
11,495.0	LSB	↑RCT56	Nikolayev, Ukrainian SSR	FX	50.0	R. Moscow Feeder
11,495.0	425/50R	RCT56	" " "	FX	50.0	TASS Nx FF 1600-1900 [Beamed to West Africa]
11,495.0		RCT55	unknown			
11,497.0	425/50R	SOL349	Warsaw, Poland	FX	20.0	PAP Nx EE 0000-0030 [Intended for Hanoi, Vietnam] 0300-0330 [Beamed to India] PAP Nx EE 1400-1430 [Beamed to Western Europe]
11,498.8	CW	↑OMZ	Prague Czechoslovakia	FX	....	EMBASSY
11,500.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
11,500.0	*850/50R	8BB35	Jakarta, Indonesia	FX	3.0	(NOAA reports)

kHz	Mode	Call	Location	Service	kW	Remarks
wx broadcast at 0830)						
11,500.0	850/50R	RFLIA	Fort de France Naval, Martinique	FX	5.0	French Navy
11,500.0	CW	C9E220	Maputo, Mozambique	AX	3.0	Tfc/Luanda
11,501.4	LSB	ART	Rawalpindi, Pakistan	FX	10.0	Telcom/Teheran
11,501.9	425/50N	LZH4	Sofia, Bulgaria	FX	25.0	BTA Nx EE 0800-0850 1430-1455 1830-1920
(Not on Sundays) [Non-directional]						
11,505.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	50.0	Domestic Service
11,505.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	40.0	[GCMP] USN
11,505.5	425/75N	....	Belgrade, Yugoslavia	FX	....	EMBASSY/Tfc/Havana
11,506.5	USB	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
11,506.5	USB	OMZ30	Prague, Czechoslovakia	FX	4.0	" "
11,507.5	425/50Ne	NBA	NAVCOMMSTA Balboa, Panama	FX	....	USN
11,508.0	850/50R	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
11,508.0	USB	CME406	Havana, Cuba	FX	1.0	" "
11,508.0	850/50R	OMZ30	Prague, Czechoslovakia	FX	1.0	" "
11,508.0	USB	OMZ30	Prague, Czechoslovakia	FX	1.0	" "
11,510.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
11,510.0	F7B	↑RGD29	Moscow, USSR	FX	20.0	TASS feeder to XNA
(One channel is TASS--second channel is for telegrams)						
11,511.0	425/50N	STK	Khartoum Aeradio, Sudan	AX	....
11,512.0	CW	"KD0V"	unknown	FX	....
11,513.5	USB	....	North Atlantic (East Coast) LORAN Net	FX	....	USCG (Includes: NMAJ, Jupiter, FL; NMF32, Nantucket, MA; NMF33, Caribou, ME; NMN73, Carolina Beach [Cape Fear], NC & NOL, "Bermuda Monitor" [Alt: 9278.5])
11,513.6	USB	....	Atlantic Area Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC--plus transportables) [Alt: 11,434.6 & 12,148.6]
11,513.6	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA & NRV, Barrigada, Guam--plus transportables) [Alt: 11,434.6 & 12,173.6]
11,514.0	425/50N	70C	Aden Aeradio, PDR Yemen (South)	AX	....
11,515.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	External Service
11,515.0	850/50N	9VC53	Singapore	FX	3.0	
11,517.0	425/50R	FDY	Orleans, France	....	
11,518.0	425/...e	....	Etampes Air, France	FX	2.0	French AF
11,520.0	CW	↑KKK44	Monrovia, Liberia	FX	1.0	USA EMBASSY
11,520.0	850/50N	9VF71	Singapore	FX	2.0	
11,520.0	425/50R	RCR77	Khabarovsk, USSR	FX	5.0	Meteo
11,520.0	425/...e	....	unknown	FX	....
11,520.9	CW	....	unknown	FX	....	Tfc/#'s/SS
11,522.5	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	40.0	[GCMP] USN
11,522.5	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	USN/Meteo
11,524.0	425/75R	....	unknown	FX	....
11,525.0	B9W	CLN326	Havana (Bauta), Cuba	FX	25.0	Tfc/Madrid
11,525.0	F1B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/Nairobi
11,525.0	425/50N	6VU62	Dakar Aeradio, Senegal	AX	2.0	[DAA] Meteo/Aero
11,526.0	USB	2ZH27	Harare, Zimbabwe	FX	0.5	British EMBASSY
11,527.5	425/75Rc	....	unknown	FX	....
11,528.0	.....	....	Indonesian	FX	....
11,530.0	F1B	HML53	Pyongyang (Jungsan), North Korea	FX	5.0	Tfc/Tokyo
11,530.0	850/75Rc	RVL28	Khabarovsk, USSR	FX	20.0	
11,530.0	USB	"545"	unknown	FX	....	SS "cinco-quatro-cinco"
11,532.0	850/50R	....	Beijing, PRC	FX	5.0	XNA
11,532.0	AM	....	unknown	FX	....	NUMBERS/SS/YL
11,533.0	850/50R	SOL253	Warsaw, Poland	FX	10.0	
11,538.0	CW	↑OEQ45	Vienna, Austria	FX	1.0	INTERPOL
11,538.0	*170/50N	ONA20	Brussels, Belgium	FX	3.0	"
11,538.0	170/50N	OWS	Copenhagen, Denmark	FX	0.2	"
11,538.0	170/50N	GMP	London (W. Wickham), England	FX	1.0	"
11,538.0	170/50N	....	Helsinki, Finland	FX	1.0	"
11,538.0	170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	5.0	"
11,538.0	170/ARQ	IUV81	Rome, Italy	FX	....	"
11,538.0	170/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"

KHz	Mode	Call	Location	Service	kW	Remarks
11,538.0	850/50N	CSJ26	Lisbon, Portugal	FX	1.0	"
11,538.0	170/50N	EEQ	Madrid, Spain	FX	5.0	"
11,538.0	*170/50N	SHX	Stockholm, Sweden	FX	0.8	"
11,538.0	*170/50N	HEP58	Zurich (Waltikon), Switzerland	FX	1.0	"
11,538.0	850/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	"
11,540.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
11,540.0	850/...e	FUF	Fort de France Naval, Martinique	FX	10.0	French Navy
11,540.0	425/50R	CNM43	Rabat (Tangier), Morocco	FX	10.0	
11,541.0	425/50N	Y7A50	Berlin (Nauen), GDR	FX	20.0	ADN
11,541.0	400/50R	70C	Aden Aeradio, PDR Yemen (South)	AX	1.5	
11,545.0	170/50N	"MCB0"	Bogota Aeradio, Colombia	AX	....
11,545.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
11,545.5	425/50R	5YD	Nairobi Aeradio, Kenya	AX	....
11,548.0	USB	APE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
11,550.0	425/50R	CME344	Havana, Cuba	FX	1.0	Rumanian EMBASSY
11,550.0	425/75R	CME362	Havana, Cuba	FX	1.0	PRC EMBASSY
11,550.0	850/50N	XBRM	Salinas Cruz Naval, Mexico	FX	....	Mexican Navy
11,550.0	425/50R	FJY4	Martin de Vivies, St. Paul and Amsterdam Islands	FX	1.0	Tfc/Reunion
11,550.0	425/...e	....	unknown	FX	....	Idling
11,551.4	USB	ZLM32	Wellington, New Zealand	FX	1.0	Telcom/Chatham Is.
11,551.5	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
11,552.0	USB	NGD	McMurdo Station, Antarctica	FX	5.0	USN
11,552.0	USB	NHG	Palmer Station, Antarctica	FX	4.0	
11,552.0	USB	NQU	Siple Station, Antarctica	FX	1.0	USN
11,552.0	USB	NPX	South Pole Station, Antarctica	FX	....	USN
11,552.0	USB	↑ZLBC	Campbell Island, New Zealand	FX	0.3	Telcom
11,552.0	USB	....	Neumayer Base, Antarctica to Palmer			
11,555.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
11,555.0	CW	....	unknown	FX	....
11,556.5	USB	KRF263	unknown	FX	....	DOE
11,556.5	USB	....	unknown	FX	....	DOE
11,557.0	USB	ZHF45	Rothera Base, Antarctica	FX	....	Tfc
11,560.0	B9W	VME	Brighton, Tasmania, Australia	FX	5.0	
11,560.0	USB	TUA211	Abidjan, Ivory Coast	FX	....	Telcom
11,560.5	425/50R	↑ODT	Beirut Aeradio, Lebanon	AX	....
11,562.0	B8E	CSS414	Ponta Delgada, Azores	FX	....	Telcom
11,562.5	850/50N	ZEN53	Cape D'aguilar, Hong Kong	FX	8.0	
11,562.5	850/50N	9VC54	Singapore, Singapore	FX	5.0	
11,562.5	850/...e	....	unknown	FX	....
11,565.0	FLB	ZHF88	Port Stanley, Falkland Islands	FX	7.5	
11,565.0	USB	VPC11	Port Stanley, Falkland Islands	FX	7.5	
11,565.0	B9W	HMU94	Pyongyang, North Korea	FX	....
11,566.0	CW	"TCAH"	unknown	FX	....	VV QSXNR4
11,569.5	425/50R	YOL25	Urziceni, Rumania	FX	1.5	
11,570.0	425/50R	BZC75	Wulumuqi, PRC	FX	1.0	Meteo
11,570.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	[GCMP] USN
11,570.0	*FLB	HMN53	Pyongyang (Jungsan), North Korea	FX	10.0	KCNA
			[Beamed to Eastern North America]			
11,572.0	425/50R	P6Z	Paris, France	FX	2.0	EMBASSY
11,572.0	425/50R	G8T	Belgrade, Yugoslavia	FX	....	French EMBASSY
11,574.0	425/50R	Y7A51	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
11,575.0	CW	D2U1	Luanda, Angola	AX	....
11,575.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	10.0	Domestic Service
11,575.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
11,575.0	B8E	RVL29	Khabarovsk, USSR	FX	10.0	Feeder for RADIO ORBITA-2
11,575.5	425/50Rc	RVL29	Khabarovsk, USSR	FX	15.0	APN
11,578.0	850/50N	S9Y	unknown	FX		
11,579.0	850/50N	S9Y2	Sao Tome Aeradio, Sao Tome e Principe	AX	..	Tfc/Luanda
11,580.0	CW	D2U1	Luanda Aeradio, Angola	AX	2.5	
11,580.0	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	....	USN
11,580.0	850/50R	RFIFIC	unknown	FX	....	Foxes
11,585.0	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
11,585.0	CW	AQJ	Islamabad Naval, Pakistan	FX	10.0	Pakistan Navy
11,590.0	AM	....	FUJIAN FRONT, Fuzhou, Fujian	BC	10.0	PLA Service
11,590.0	AM	....	RADIO BEIJING, Kunming, PRC	BC	50.0	Russian Service
11,590.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
11,590.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....

kHz	Mode	Call	Location	Service	kW	Remarks
11,590.0	*850/50R	TUR19	Abidjan, Ivory Coast	FX	0.8	Rumanian EMBASSY
11,590.0	F7B	RNT76	Irkutsk, USSR	FX	15.0	Tfc/Nanjing
11,590.0	170/75R	UJY2	Kaliningrad, USSR	FX	5.0	Tfc/Havana
11,591.4	300/50R	....	unknown	FX	....	Meteo
11,592.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
11,594.0	850/50R	BZC74	Wulumuqi, PRC	FX	25.0	XNA
11,595.0	850/50R	7XA98	Algiers, Algeria	FX	0.5	Meteo/Aero
11,598.5	170/50N	EEQ	Madrid, Spain	FX	5.0	Police Net Control
11,600.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	350.0	External Service
11,600.0	170/50R	CLN327	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
11,600.0	425/50R	Y3B2	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Cairo
11,600.0	850/50R	SOL260	Warsaw, Poland	FX	20.0	Tfc/FE
11,600.0	850/50N	HSD26	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Calcutta
11,600.0	USB	†....	Tashkent, Uzbek SSR	FX	....	R. Moscow Feeder
11,602.0	425/50R	70C	Aden Aeradio, PDR Yemen (South)	AX	....
11,602.5	.....	6MK64	unknown	....	EE--0030-0430 & 0730-0830	
11,606.0	425/50R	BZS21	Wulumuqi, PRC	FX	40.0	XNA
				[Beamed to Africa]		
11,606.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes:
			NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Island & NRV7, Yap Island) [Alt: 10,523.6 & 13,608.6]			
11,607.0	USB	AFK	Peterson AFB, CO	FX	1.0	USAF
11,607.0	USB	AFS	Offutt AFB, NE	FX	0.5	USAF
11,608.0	170/75N	....	several, Japanese/Korean coast	FX	1.0	USCG/LORAN Net
11,608.5	B9W	AFK	Ent AFB, CO	FX	1.0	USAF
11,610.0	*A1	....	Beijing, PRC	FX	1.0	XNA
11,610.0	AM	....	CPBS-1, Beijing, PRC	BC	....	Domestic Service
11,610.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	300.0	External Service
11,614.8	USB	....	unknown	FX	....	FE dialect
11,615.0	425/50R	FTL61	Paris (Vernon), France	FX	20.0	
11,615.0	425/50R	RGD27	Moscow, USSR	FX	15.0	Tfc
11,617.5	LSB	....	unknown	FX	....	NUMBERS/YL/GG
11,618.0	850/...e	FUF	Fort de France Naval, Martinique	FX	2.0	French Navy
11,619.5	USB	....	numerous, USA nationwide	FX	2.0	USAF/MARS (In-
			cludes: AGAIHA, Hanscom AFB, MA; AGA2LA, Langley AFB, VA; AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGA5MC, McCord AFB, WA; AGA6TR, Travis AFB, CA; AIR, Pentagon [Andrews AFB, MD], VA; etc.)			
11,620.0	AM	....	ALL-INDIA RADIO, New Delhi, India	BC	....	External Service
11,620.0	CW	HLL3	Seoul Radio, South Korea	FC	0.5	(NOAA reports wx broadcasts at 0000 & 1200)
11,622.0	850/75R	AOK	NS Rota, Spain	FX	10.0	USAF/USN
11,623.0	425/50R	SOL262	Warsaw, Poland	FX	20.0	PAP Nx EE 0600-0630 & 1100-1130
11,625.0	CW	GZU	Portsmouth (Petersfield), England	FX	1.0	British Naval Air
11,625.0	850/50R	SOL362	Warsaw, Poland	FX	10.0	Tfc/Paris
11,630.0	BBE	....	Beijing, PRC	FX	10.0	R. Beijing Feeder
11,630.0	AM	....	RADIO MOSCOW, USSR	BC	....	RADIO ORBITA-4
11,630.0	850/...e	....	unknown	FX	....
11,635.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
11,635.0	AM	....	unknown	FX	....	NUMBERS/YL/SS
11,635.5	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
11,638.0	425/50R	DDK8	Frankfurt (Quickborn), GFR	FX	5.0	Meteo (NOAA reports synoptic observations at 0615, 1030, 1215, 1515 & 1815)
11,638.0	425/50R	XVA86	Hanoi, Vietnam	FX	5.0	Meteo
11,640.0	USB	....	several in PQ, Canada	FX	....	Net
11,640.0	AM	....	VOICE OF IRAN, Teheran, Iran	BC	....	External Service
11,640.0	F1B	3BN	Port Louis Aeradio, Mauritius	AX	5.0	Tfc/Mahe
11,643.5	425/50R	WFK41	New York, NY	FX	50.0	AFP
11,644.0	850/50N	HLL8	Seoul (Kimpo Intl.), South Korea	FX	5.0	Meteo
11,645.0	AM	....	VOICE OF GREECE, Athens, Greece	BC	100.0	External Service
11,646.0	425/50R	ODJ64	Beirut, Lebanon	FX	5.0	Tfc
11,650.0	850/75Ne	AXJ	Pearce AFB, WA, Australia	FX	5.0	RAAF
11,650.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	120.0	External Service
11,650.0	BBE	CML32	Havana (Bauta), Cuba	FX	10.0	Telcom/Mexico

kHz	Mode	Call	Location	Service	kW	Remarks
11,650.0	425/75N	†....	Poro la Union, Philippines	FX	35.0	USIA Nx
				[Beamed to Southeast Asia]		
11,650.0	425/50N	UKS	Barentsburg, Spitzbergen	FX	....	Tfc/ULV
11,650.0	*425/50R	70B455	Aden, PDR Yemen (South)	FX	1.0	Vietnamese EMBASSY
11,650.4	850/75R	IGJ	Augusta Naval, Italy	FX	....	Italian Navy/NATO
11,655.0	250/...e	....	unknown	FX	....
11,660.0	850/50N	CAN6D	Punta Arenas (Montalva), Chile	FX	5.0	Chilean Navy/Meteo
11,660.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	External Service/ Also reversed tape in RR 0300-0355
11,660.0	*425/50R	YTR2	Belgrade, Yugoslavia	FX	1.0	
11,662.5	CW	†CAN6D	Punta Arenas (Montalva), Chile	FX	0.5	Meteo (NOAA re-ports wx broadcasts at 1430 & 2200
11,662.5	B9W	C8N27	Maputo, Mozambique	FX	10.0	Tfc/Telcom
11,670.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	100.0	External Service
11,670.0	425/50Nc	RGV50	Irkutsk, USSR	FX	15.0	APN (Bulletins)
11,670.0	425/50N	....	unknown	....	....	TASS, FF
11,670.0	425/50N	....	unknown	FX	....	Nx/FF/Bulletin#8
11,670.0	850/...e	....	unknown	FX	....
11,672.5	850/...e	....	numerous, worldwide	FX	....	USN
11,674.5	B8E	JEB21	Chichi Jima, Bonin Is., Japan	FX	2.0	Tfc
11,675.0	B8E	CLN328	Havana (Bauta), Cuba	FX	10.0	Telcom/Caracas
11,675.0	B8E	....	†Holzkirchen, GFR	FX	10.0	RFE Feeder
11,675.0	850/50R	RNR4	Magadan, USSR	FX	20.0	Tfc/Meteo
11,676.0	CW	Y7C1	London, England	FX	1.0	GDR EMBASSY
11,677.5	425/50R	YAY3	Kabul, Afghanistan	FX	3.0	Tfc/New Delhi
11,680.0	425/50R	BZP51	Wulumuqi, PRC	FX	10.5	XNA Nx EE 0100-0300 1415-1700 [Beamed to Europe]
11,680.0	AM	....	RADIO PYONGYANG, PDR Korea	BC	....	Domestic Service
11,682.5	425/50R	YAY4	Kabul, Afghanistan	FX	3.0	Tfc/London
11,685.0	170/50R	HVH	Vatican City	FX	50.0	[VAT] Tfc/CUA68
11,687.5	CW	†NAM	NAVCOMMSTA Norfolk, VA	FC	100.0	[LCMP] USN
11,688.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY [Alt: 14,692.0]
11,688.0	850/...e	....	unknown	FX	....
11,689.0	850/50R	BZM41	Wulumuqi, PRC	FX	25.0	XNA
11,689.0				[Beamed to Africa]		
11,690.0	AM	....	THIRD PROGRAM, Leningrad, USSR	BC	....	Domestic Service
11,690.6	CW	†FUC	Cherbourg Naval, France	FX	....	French Navy
11,692.0	CW	....	unknown	FX	....	Coded Tfc
11,693.0	850/50R	YOL36	Tiganești, Rumania	FX	10.0	Tfc/Beijing
11,694.0	425/50N	CLN329	Havana (Bauta), Cuba	FX	5.0	Tfc/New York
11,695.0	425/50N	IRI26	Rome (Torrenova), Italy	FX	10.0	
11,695.0	425/50R	6VY65	Dakar Aeradio, Senegal	AX	5.0	Tfc/Niamey
11,700.0 - 11,975.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
11,975.0 - 12,330.0 kHz — FIXED SERVICE (Worldwide)						
11,975.0	425/50R	BAW31	Beijing, PRC	FX	10.0	XNA Nx EE 1230-1330 [Beamed to Pakistan]
11,976.5	USB	P2A2	Port Moresby, Papua New Guinea	FX	4.0	
11,977.0	500/...e	....	unknown, possibly in Canada	FX	....	Idling
11,980.0	425/50R	CME345	Havana, Cuba	FX	1.0	Rumanian EMBASSY
11,980.0	170/50R	CLN330	Havana (Bauta), Cuba	FX	20.0	Tfc/New Orleans
11,980.0	425/...e	....	unknown	FX	....	Idling
11,985.0	USB	70B452	Aden, PDR Yemen (South)	FX	1.0	Libyan EMBASSY
11,987.1	850/50R	....	unknown	FX	....	Indian EMBASSY
11,990.0	B9W	AIF	Yokota AB, Japan	FX	3.0	USAF
11,990.0	850/50R	SOL299	Warsaw, Poland	FX	20.0	
11,994.0	*F1B	GFH	COMMEN Hong Kong	FX	3.5	British Navy
11,995.0	AM	....	RADIO FRANCE INT'L, Paris, France	BC	500.0	External Service
11,995.0	AM	....	RADIO MINSK, Belorussian SSR	BC	100.0	Domestic Service
11,999.0	170/50*	MKG	London (Stanbridge), England	FX	....	DCN
12,000.0	AM	VNG	Lyndhurst, Vic., Australia	SS	10.0	TIME SIGNALS
12,000.0	AM	....	VOICE OF EGYPT, Cairo, Egypt	BC	250.0	External Service
12,000.0	CW	JJD	Tokyo, Japan	FX	10.0	Solar & Geomagnetic Reports
12,000.0	AM	....	RADIO ORBITA-2, Syzran, USSR	BC	....	Domestic Service

kHz	Mode	Call	Location	Service	kW	Remarks
12,003.5	*USB	....	several, west coast of USA NPC, Seattle, WA; NPG, San Francisco, CA & NPL, San Diego, CA)	FX	....	USN (Usually
12,005.0	850/50N	9VE37	Singapore	AX	5.0	
12,005.0	AM	....	RADIO MINSK, Belorussian SSR	BC	100.0	Domestic Service
12,005.0	F7B	RGN54	Petropavlovsk, USSR	FX	20.0	
12,005.0	850/....	....	numerous, USA nationwide	FX	....	USN
12,007.0	850/50R	BPJ32	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
12,007.0	425/50R	SOM200	Warsaw, Poland	FX	20.0	
12,009.0	850/50N	PZP	Zanderij Aeradio, Suriname	AX	1.0	
12,010.0	AM	....	RADIO MOSCOW, Komsomolsk, USSR	BC	240.0	External Service
12,010.0	AM	....	RADIO MOSCOW, Nikolayev, UKR SSR	BC	....	External Service
12,010.0	F7B	RKD47	Moscow, USSR	FX	20.0	
12,012.0	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
12,015.0	AM	....	RADIO BEIJING, Xian, PRC	BC	120.0	External Service
12,015.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	100.0	External Service
12,015.0	850/....	....	numerous, worldwide	FX	15.0	USN
12,017.0	B8E	8CJ	Ujung Pandang Aeradio, Indonesia	AX	....
12,020.0	CW	SRD6	Warsaw Aeradio, Poland	AX	1.0	
12,020.0	AM	....	RADIO MOSCOW, Moscow, USSR	BC	....	Domestic Service
12,022.5	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
12,025.0	FAX	PWZ	Rio de Janeiro Naval, Brazil	FX	1.5	Brazilian Navy
12,025.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	300.0	Russian Service
12,025.0	CW	UHF3	Yeyskstaro, USSR	FX	....	Meteo
12,030.0	425/50R	BJA41	Wuhan, PRC	FX	2.0	Tfc/Chengdu
12,030.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
12,030.0	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
12,030.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
12,030.0	R3A	....	SWISS RADIO INTERNATIONAL	BC	100.0	External Service
12,030.0	AM	....	RADIO MOSCOW, Alma Ata, USSR	BC	....	External Service
12,030.0	425/50R	RDD75	Moscow, USSR	FX	15.0	TASS
12,035.0	F1B	GYU	Gibraltar Naval, Gibraltar	FX	....	British Navy
12,035.0	850/50N	AWC	Calcutta Aeradio, India	AX	1.0	Tfc/Rangoon
12,035.0	425/50N	FZM	Noumea, New Caledonia	FX	....	DIPLO
12,035.0	CW	EEQ	Madrid, Spain	FX	1.0	Police/Net
[Alt: 9796.0]						
12,035.0	AM	....	SWISS RADIO INTERNATIONAL	BC	100.0	External Service
12,035.0	AM	....	RADIO MOSCOW, Moscow, USSR	BC	100.0	External Service
12,035.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....
12,035.9	850/50N	ZYK	Belem Aeradio, Brazil	AX	1.0	[EPA] Tfc/Zanderji
12,038.5	B8E	1CLN361	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
12,040.0	850/....	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
12,040.0	F1B	8CM	Menado Aeradio, Indonesia	AX	....
12,040.0	850/....	NDT	NAVCOMMSTA Yokosuka, Japan	FX	3.0	USN
12,040.0	F7B	RDD74	Moscow, USSR	FX	20.0	
12,040.0	AM	....	RADIO ORBITA-2, Sverlovsk, USSR	BC	50.0	Domestic Service
12,045.0	850/....	NSS	NAVCOMMSTA Washington, DC	FX	50.0	USN
12,045.0	AM	....	ALL-UNION RADIO, Voronej, USSR	BC	50.0	Domestic Service
12,048.0	725/50R	YZG	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
1100-1200 & 1300-1400 (Not on Sundays) [Non-directional]						
1400-close TANJUG Nx FF to EMBASSIES at 425/100R						
Nx EE 1600-1730 [Non-directional]						
12,048.0		YZG	unknown	....	FF	Diplomatic

12,050.0 - 12,230.0 kHz — FIXED SERVICE (Worldwide)

12,050.0	AM	....	VOICE OF EGYPT, Cairo, Egypt	BC	100.0	Domestic Service
12,050.0	LSB	....	Moscow, USSR	FX	....	Feeder for RADIO ORBITA-1
12,055.0	AM	....	RADIO MOSCOW, Krasnodar, USSR	BC	....	External Service
12,056.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
12,056.1	250/50Re	....	unknown	FX	....
12,056.1	*140/75Re	....	unknown	FX	....
12,058.5	USB	NAM	NAVCOMMSTA Norfolk, VA	FC	40.0	USN
12,060.0	425/50R	BLA69	Chengdu, PRC	FX	2.0	Tfc/Shanghai
12,060.0	AM	....	RADIO-ORBITA-2, Voronej, USSR	BC	240.0	Domestic Service
12,061.0	850/50R	RFLIG	Cayenne, French Guiana	FX	....	French Military
12,061.3	170/75	AFA	unknown		10.0	
12,062.0	425/50R	10DT	Beirut Aeradio, Lebanon	AX	4.0	
12,062.5	850/50R	DFM22	Frankfurt (Bonames), GFR	FX	20.0	

kHz	Mode	Call	Location	Service	kW	Remarks
12,063.5	425/50N	....	unknown	FX	....	RYYRY
12,065.0	350/50N	EPD58	Teheran Aeradio, Iran	AX	2.0	Tfc/Ankara
12,065.7	R7B	HBO42	Geneva, Switzerland	FX	10.0	
12,068.5	USB	CTH29	Apulia Naval, Portugal	FX	5.0	Port. Navy
12,070.0	850/50R	JAL32	Tokyo, Japan	FX	5.0	KYODO Nx EE
				0430-0600 (Not on Sundays)		
				0610-0640 (Daily)		
				[Beamed to North America]		
12,070.0	AM	....	RADIO ULAN BATOR, Mongolia	BC	....	External Service
12,070.0	AM	....	RADIO ORBITA-1, Chita ASSR	BC	50.0	Domestic Service
12,075.0	425/50N	VVD62	New Delhi, India	FX	5.0	Meteo (NOAA re-ports wx warnings at 0445, 0755, 1015 & 1645)
12,075.0	350/50N	9KT292	Huban, Kuwait	FX	5.0	KUNA Nx EE 1000-1300 1600-1800
				[Beamed toward Horn of Africa]		
12,075.0	AM	....	RADIO MOSCOW, Alma Ata, USSR	BC	500.0	External Service
12,076.0	CW	....	unknown	FX	....	Coded Tfc
12,077.0	USB/Data	....	unknown	FX	....	Telcom or Net
12,078.0	425/75R	SNN299	Warsaw, Poland	FX	....	EMBASSY
12,079.0	350/50R	9KT292	Huban, Kuwait	FX	5.0	KUNA Nx AA 0700-1000 1400-1700
				[Beamed toward Horn of Africa]		
12,081.0	USB	70B451	Aden, Yemen PDR (South)	FX	0.5	British EMBASSY
12,084.0	170/50R	CLN362	Havana (Bauta), Cuba	FX	30.0	Tfc/New Delhi
12,085.0	425/50R	RCB55	Moscow, USSR	FX	15.0	Bakhtar Nx EE
				(Not on Saturdays) 0415-0545 [Non-directional]		
				TASS Nx EE 0600-1400		
				[Beamed to the Middle East]		
				(Summer Schedule) †1715-2200		
12,085.0			unknown	....	
12,087.5	USB	....	several, among South Pacific Islands	AX	....	Aero Tfc
12,088.5	850/...e	....	unknown	FX	....	Idling
12,088.6	850/50R	6WW	Dakar Naval, Senegal	FX	20.0	French Navy
12,090.0	USB	†"906"	unknown, apparently in USA	FX	....	FEMA?
12,090.0	425/50R	XVA89	Hanoi, Vietnam	FX	5.0	Tfc/Calcutta
12,095.0	CW	FUV	Djibouti Naval, Djibouti	FX	....	French Navy
12,095.0	AM	....	BBC, London, England	BC	250.0	External Service
12,095.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
12,097.5	170/50R	9KP	Kuwait Aeradio, Kuwait	AX	5.0	
12,097.8	850/...e	....	unknown	FX	....	Idling
12,100.0	850/50R	OCB73	Lima, Peru	FX	40.0	
12,100.0	USB	RTU40	Moscow, USSR	FX	15.0	R. Moscow Feeder
12,100.0	850/...e	....	unknown	FX	....	Idling
12,102.0	CW	"HBO"?	unknown	FX	....
12,105.0	850/75N	KWK97	Warsaw, Poland	FX	1.0	USA EMBASSY
12,107.5	850/50N	ZWBE	Belem Aeradio, Brazil	AX	1.0	Tfc/Rio
12,107.5	850/50N	....	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Belem
12,108.0	425/50N	IRJ21	Rome (Torrenova), Italy	FX	3.0	ANSA Nx EE 0800-0900 Nx FF 0900-1000 Nx EE 1100-1200
				(Not on Sundays) [Beamed to Eastern Europe]		
12,110.0	FAX	BAF33	Beijing, PRC	FX	....	Meteo
12,110.0	CW	†ZBP	Pitcairn Island	FX	0.7	Tfc/New Zealand
12,110.0	F7B	EWB	Moscow, USSR	FX	100.0	
12,110.2	425/50N	CKK	Carrasco Aeradio, Uruguay	AX	3.0	
12,111.5	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
12,111.9	170/75N	....	unknown	FX	....	USIA, Nx EE
12,112.0	170/75N	....	unknown	....	....	EE News
12,113.0	850/50R	....	Dubai	FX	....	Oil rigs
12,115.0	F1B	5ST	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/COM:TKG
12,115.0	F7B	RUZ24	Vladivostok, USSR	FX	50.0	
12,118.6	USB	ZLK43	Christchurch Naval, New Zealand	FX	10.0	NSF/USN
12,120.0	F7B	BBH25	Shanghai, PRC	FX	2.0	Tfc/Osaka
12,120.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	AX	1.0	USN
12,120.0	850/75N	NAU	NAVCOMMSTA San Juan, PR	FX	5.0	USN
12,120.0	850/50N	9VE38	Singapore Aeradio	AX	3.0	
12,120.0			Khartoum, Sudan			SUNA—closed 7/83
12,120.0	850/...e	....	numerous, worldwide	FX	....	USN
12,122.0	850/...e	....	unknown	FX	....	USN
12,122.0	900/75N	ZLK43	Christchurch Naval, New Zealand	FX	10.0	NSF/USN

kHz	Mode	Call	Location	Service	kW	Remarks
12,125.0	850/50N	CSY	Santa Maria Aeradio, Azores	AX	....	[MSA] Tfc/Shannon
12,125.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FX	10.0	[C13E] Canadian
			(NOAA reports wx broadcasts at 0030, 0430 & 1330)			Forces
12,125.0	FAX	CKN	Vancouver Forces Radio, BC, Canada	FX	10.0	Canadian Forces/ Meteo/Prognosis & Surface Analysis--0230-2200
12,125.0	USB	TNH21	Brazzaville, Congo	FX	20.0	Telcom
12,125.0	CW	Z2A	Harare, Zimbabwe	FX	0.3	Tfc/Pretoria
12,126.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
12,127.0	LSB	....	Rampisham, England	FX	30.0	BBC Feeder
12,127.5	USB	VHC	Canberra, ACT, Australia	FX	40.0	RAN
12,127.7	425/50Rc	....	unknown	FX	....
12,128.0	350/50N	IRJ31	Rome (Torrenova), Italy	FX	30.0	ANSA Nx EE 0800-0900 Nx FF 0900-1000 Nx EE 1100-1200 1500-1600 Nx FF 1600-1700
			(Not on Sundays)			[Beamed to Northwest Africa]
12,129.0	USB	A1E	Andersen AFB, Guam	FX	1.0	USAF
12,129.0	USB	ACB4	Wake Island	FX	1.0	USAF
12,130.0	425/50R	Y7A52	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY/ADN
12,130.0	*170/50	AND20	Madrid, Spain	FX	....	EMBASSY
12,130.0	F7B	RGD26	Moscow, USSR	FX	20.0	
12,132.0	170/50N	....	Mexican government stations "DF" Mexico City, "CN" Ensenada	FX	....	Telex
12,133.5	250/...e	....	unknown	FX	....
12,134.0	425/50Ne	JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army
12,135.0	850/50R	BAT62	Beijing, PRC	FX	5.0	XNA
12,135.0	USB	RNE39	Moscow, USSR	FX	20.0	Feeder for Radio Orbita-4
12,135.0	425/50Nc	RNE39	Moscow, USSR	FX	20.0	APN
12,135.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	50.0	USN(NOAA re- ports wx broadcasts at 0030, 0630, 1230 & 1900)-seasonal ice warning broadcasts at 1000 & 2300
12,135.0	*850/...e	....	several, in the USA NAA, Cutler, ME; NAR, Key West, FL; NPG, San Francisco, CA & NSS, Washington, DC)	FX	....	USN (Usually
12,136.0	850/...e	....	numerous, worldwide	FX	....	USN
12,138.0	850/...e	NBA	NAVCOMMSTA Balboa, Panama	FX	5.0	USN
12,138.5	USB	†KUR50	Agana, Guam	FX	1.0	Tfc/Honolulu
12,138.5	USB	†KUR20	Honolulu, HI	FX	1.0	Tfc/Agana
12,139.5	B9W	PPM4	Paris (St. Assise), France	FX	2.0	SNIM
12,140.0	*F1B	†KUR50	Agana, Guam	FX	1.0	
12,140.0	*F1B	†KUR20	Honolulu, HI	FX	1.0	
12,141.0	850/75R	NRK	NAVCOMMSTA Keflavik, Iceland	FX	....	USN
12,144.5	425/50R	YKA	Damascus Aeradio, Syria	AX	....
12,145.0	425/50R	BBH35	Shanghai, PRC	FX	80.0	Tfc/Cairo
12,145.0	425/50R	BZM32	Wulumuqi, PRC	FX	2.0	XNA
12,145.0	CW	GYA	London (Northwood) Naval, England	FX	....	British Navy
12,145.0	850/...e	....	numerous, worldwide	FX	....	USN
12,145.6	USB	....	Rabat, Morocco	FX	....
12,146.2	LSB	....	unknown	FX	....	Telcom
12,147.0	850/75N	....	unknown	FX	....	USIA Nx
12,148.6	USB	....	Atlantic Domestic Emergency Net NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC —plus transportables) [Alt: 11,513.6 & 15,548.6]	FX	....	USCG (Includes:
12,149.6	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
12,150.0	USB	....	Aleutian LORAN Network NMJ22, Attu; NRW2, St. Paul Is. & NRW3 Pt Clarence--all AK) [Alt: 9073.0]	FX	....	USCG (Includes:
12,150.0	USB	....	West Indies LORAN Net NMA, Miami, FL; NMA4, San Salvador [Watling Is.], Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL & NMR, San Juan, PR) [Alt: 7530.0 & 8083.5]	FX	....	USCG (Includes:
12,150.6	CW	"K"	unknown	RC	....	Beacon
12,152.0	LSB	MKT	London (Stanbridge), England	FX	10.0	DCN
12,152.5	USB	ZLBC6	Campbell Is., New Zealand	FX	0.3	Telcom/Wellington
12,152.5	USB	ZME6	Raoul (Sunday) Is., Kermadec Is.	FX	0.3	Telcom/Wellington
12,154.0	CW	....	unknown, probably Cuba	FX	....	Tfc/RR
12,155.0	425/50R	BAT92	Beijing, PRC	FX	10.0	XNA

kHz	Mode	Call	Location	Service	kW	Remarks
12,155.0	170/75R	CLN365	Havana (Bauta), Cuba	FX	20.0	Tfc/Prague
12,155.0	LSB	....	unknown	FX	....	Tfc/Net/FF/EE
12,155.1	B8E	LDR	Oslo (Jeloej), Norway	FX	10.0	Telcom/Tfc
12,156.0	F7B	RSP73	Kharbarovsk, USSR	FX	4.0	Meteo
12,158.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
12,160.0	F7B	RGD25	Moscow, USSR	FX	20.0	
12,162.5	850/50R	SDV97	Stockholm (Varberg), Sweden	FX	20.0	
12,165.0	FAX	RKB78	Moscow, USSR	FX	20.0	
12,165.0	F7B	RKB78	" "	FX	20.0	APN
12,165.0	850/75R	AOK	NS Rota, Spain	FX	3.0	USN
12,166.0	850/50R	BZB82	Wulumuqi, PRC	FX	10.5	XNA
[Beamed to the Middle East]						
12,168.0	350/50N	....	Jakarta, Indonesia	FX	....	EMBASSY Nx EE
12,170.0	FAX	RNR4	Magadan, USSR	FX	20.0	Meteo
12,170.0	850/50Rc	RNR4	" "	FX	20.0	Tfc/Meteo
12,170.0	500/...e	....	unknown	FX	....
12,173.6	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam—plus trans- portables) [Alt: 11,513.6 & 15,473.6]
12,174.2	*525/50N	HMR23	Pyongyang (Jungsan), North Korea	FX	5.0	KCNA Nx EE 0400-0730 SS 0730-1130 EE 1800-2100 [Beamed to Africa EE 2130-2300 [Beamed to Central & South America
12,174.3	170/50R	ETD3	Addis Ababa Aeradio, Ethiopia	AX	1.0	
12,175.0	170/75R	CLN366	Havana (Bauta), Cuba	FX	25.0	Tfc/Tokyo
12,175.0	LSB	RGD34	Moscow, USSR	FX	20.0	R. Moscow Feeder
12,175.0	850/50R	RGD34	" "	FX	20.0	TASS
12,175.0	850/75N	WBR70	Miami Aeradio, FL	AX	8.0	[WBC] Meteo
12,176.0	425/50N	9KT291	Huban, Kuwait	FX	3.5	KUNA Nx EE 1000-1900 [Beamed to the Middle East
12,177.0	850/50R	BZC72	Wulumuqi, PRC	FX	25.0	XNA
12,179.0	USB	....	Rampisham, England	FX	30.0	BBC Feeder
12,179.5	piccolo	....	unknown	FX	....
12,180.0	425/50R	BAS21	Beijing, PRC	FX	10.0	Tfc/New Delhi
12,180.0	425/50N	9KT291	Huban, Kuwait	FX	3.5	KUNA Nx AA 0700-1100 1400-1700 [Beamed to the Middle East
12,180.1	B8E	CSR26	Lisbon, Portugal	FX	3.0	
12,185.0	425/50R	SOM218	Warsaw, Poland	FX	20.0	
12,185.0	CW	"U"	unknown	FX	....	Beacon
12,185.0	USB	....	unknown, possibly in Mexico	FX	....	Net
12,186.0	425/50R	....	Tripoli, Libya	FX	....	JANA Nx EE 1400-1500 FF 1500-1600 [Non-directional EE 1730-2200 [Beamed to Europe & North America
12,187.5	425/50N	5UA	Niamey Aeradio, Niger	AX	1.0	
12,187.5	425/...e	....	unknown	FX	....	Idling
12,188.0	850/50N	CAK	Santiago (Los Cerrillos AB), Chile	FX	....	Chilean AF
12,190.0	B8E	....	Lyndhurst, Vic., Australia	FX	....	R. Australia Feeder
12,190.0	850/50N	5NK31	Kano, Nigeria	FX	6.0	Meteo (NOAA re- ports surface analysis at 1130)
12,190.0	F7B	ERG	Moscow, USSR	FX	100.0	
12,190.0	USB	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
12,195.0	850/50R	BPE62	Beijing, PRC	FX	5.0	Tfc/Kumming
12,195.0	850/...e	FUM	Papeete Naval, Tahiti	FX	2.0	French Navy
12,195.0	850/50N	9VF74	Singapore	FX	5.0	
12,196.0	850/50N	WSY70	New York Aeradio, NY	AX	40.0	
12,197.0	F7B	RUD5	Dzhalal Abad, Kirgiz SSR	FX	60.0	
12,197.5	425/50N	CUA62	Lisbon (Alfragide), Portugal	FX	10.0	
12,200.0	425/50R	XZW41	Rangoon Aeradio, Burma	AX	3.5	Tfc/Calcutta
12,200.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	15.0	Domestic Service
12,200.0	CW	NPO	San Miguel (Capas), Philippines	FX	5.0	USN/NOAA re- ports wx broadcasts at 0400 & 1300)
12,200.0	850/75R	....	unknown	FX	....	USN
12,201.0	425/...e	....	Villacoublay Air, France	FX	2.0	French AF

kHz	Mode	Call	Location	Service	kW	Remarks
12,201.0	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	USAF/Meteo
12,202.0	CW	RGQ2	unknown, very probably in the USSR	FX	....	wkg RPR2
12,202.5	CW	....	unknown	FX	....	Tfc/long/SS/net
12,204.0	850/50R	PME5	Bandung, Indonesia	FX	3.0	Tfc
12,204.0	USB	....	numerous, southeastern Brazil	FX	....	Net/PP
12,205.0	850/50R	RDT72	Alma Ata, USSR	FX	15.0	TASS
12,205.0	425/50Rc	RNO	Moscow, USSR	FX	....
12,205.0	850/75N	KNY24	Washington, DC	FX	1.0	EMBASSY
12,205.0	*850/....e	NDT4	NAVCOMMSTA Yokosuka, Japan	FX	5.0	USN Tfc
12,205.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; NRO5, Upolu Pt., HI & NRO7, Kure [Ocean Is.] Island, HI) [Alt: 9630.0]
12,205.0	850/....e	....	several, Pacific Ocean area	FX	....	USN
12,205.0	LSB	RDT72	Alma Ata, USSR	FX	15.0	Feeder for Mayak
12,207.5	B8E	CUG41	Ponta Delgada, Azores	FX	10.0	Telcom/Tfc
12,208.7	850/50N	PZP	Zanderij Aeradio, Suriname	AX	1.0	[FEA] Tfc/Belem
12,209.5	850/50N	C9E2	Maputo Aeradio, Mozambique	AX	10.0	
12,210.0	425/50R	BZK22	Wulumuqi, PRC	FX	40.0	XNA [Beamed to Chile]
12,210.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
12,210.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY
12,211.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 11,148.0 & 14,426.0]
12,212.5	425/50R	YZ07	Belgrade (Makis), Yugoslavia	FX	30.0	
12,213.0	425/75R	CME363	Havana, Cuba	FX	1.0	PRC EMBASSY
12,213.0	425/50N	IRJ32	Rome (Torrenova), Italy	FX	10.0	SPA Nx AA 0300-0600 1800-1900 Nx EE 1900-2000 Nx AA 2000-2300 [Beamed to the Middle East & Pakistan]
12,215.0	B9W	AGD	Wheeler AFB, HI	FX	40.0	USAF
12,216.0	USB	....	numerous, USA nationwide	FX	....	FEMA (This is one of several "working" frequencies assigned to the US Federal Emergency Management Agency [FEMA]. Stations re- ported have included: KPA65, Denton, TX; KPA71, Maynard, MA; KPA72, Olney, MD; WGY909, Santa Rosa, CA; WAR42, Mt. Weather, VA., etc.)
12,216.0	425/100Ne	....	unknown	FX	....
12,217.0	USB	WGY901	Washington, DC	FX	....	FEMA
12,219.0	850/75R	WGY905	Washington, DC	FX	....	FEMA
12,219.0	USB	WGY901	Washington, DC	FX	....	FEMA
12,222.0	CW	VNSE	unknown	RC	....
12,223.0	FLB	S2D	Dhaka (Tejgaon Arpt.), Bangladesh	AX	0.4	[DBA] Tfc/Bangkok
12,223.4	170/ARQ	....	unknown	FX	....
12,223.5	425/75N	....	Tangier, Morocco	FX	15.0	USIA Nx EE/FF 2215-0745 (Near East/South Asia File)
12,223.5	425/75N	....	sometimes says THE PURPLE COW JUMPED OVER THE MOON			
12,224.2	170/ARQ	CSJ26	Lisbon, Portugal	FX	1.0	INTERPOL
12,224.5	170/50N	ONA20	Brussels, Belgium	FX	3.0	INTERPOL
12,224.5	170/ARQ	OWS3	Copenhagen, Denmark	FX	0.2	"
12,224.5	170/50N	GMP	London (W. Wickham), England	FX	1.0	"
12,224.5	170/50N	....	Helsinki, Finland	FX	1.0	"
12,224.5	170/50N	FSB	Paris (St. Martin Abbat), France	FX	5.0	"
12,224.5	170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
12,224.5	170/50N	LXP50	Luxembourg City, Luxembourg	FX	1.0	"
12,224.5	170/50N	EEQ	Madrid, Spain	FX	5.0	"
12,224.5	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
12,224.5	170/50N	HEP25	Zurich (Waltikon), Switzerland	FX	3.0	"
12,224.5	170/50N	4NX7	Belgrade, Yugoslavia	FX	1.0	"
12,225.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY [Alt: 12,101.0 & 12,306.0]
12,227.5	850/50N	NGD	McMurdo Station, Antarctica	FX	1.0	USN
12,227.5	USB	VKH	Sydney (Doonside), NSW, Australia	FX	....	Telcom/Macquarie
12,227.5	850/....e	NPN	NAVCOMMSTA Agana, Guam	FX	15.0	[GCMP] USN
12,229.0	CW	....	unknown	FX	....
12,232.0	CW	GFT42	Bracknell, England	FX	2.5	Meteo
12,232.2	170/....e	....	several, Pacific Ocean area	FX	....	USCG
12,235.9	CW	CBV	Valparaiso, Chile	FX	....	Coded Tfc
12,236.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN

kHz	Mode	Call	Location	Service	kW	Remarks
12,237.5	...	FZS22	Reunion	FX	....
12,238.5	USB	ONN34	Brussels, Belgium	FX	1.0	Iranian EMBASSY
12,239.5	850/50N	CSY42	Santa Maria Aeradio, Azores	AX	3.0	Tfc/New York
12,240.0	850/50R	ONN34	Brussels, Belgium	FX	1.0	Iranian EMBASSY
12,240.0	170/50*	MKT	London (Stanbridge), England	FX	10.0	DCN
12,240.0	B8E	RHA41	Moscow, USSR	FX	....	R. Moscow Feeder
12,242.0	500/75Nc	....	unknown	FX	....
12,246.5	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
12,247.0	425/50R	BAP42	Beijing, PRC	FX	10.0	XNA
				[Beamed to Japan]		
12,247.0	CW	....	several (ICAO AFI)	AX	....	Aero Tfc [Net
			in northeastern corner of the African continent, Arabia			
			and as far east as Bombay, India]			
12,250.0	B8E	FTM25	Paris (St. Assise), France	FX	2.0	Telcom/Rabat
12,250.0	850/75N	RXF1	Oeiras Naval, Portugal	FX	....	Port. Navy/NATO
12,250.0	425/50R	RHA41	Moscow, USSR	FX	100.0	Bakhtar Nx EE
			0415-0545 (Not on Saturdays)			
				[Beamed to Europe]		
				TASS Nx EE 1615-2200		
				[Beamed to the Middle East]		
12,251.0	425/50R	Y2V32	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE/FF
				1800-1950 [Beamed to Africa]		
12,255.0	850/50N	VNJ	Casey Base, Antarctica	FX	5.0	ANARE
12,255.0	B9W	VLZ	Davis Base, Antarctica	FX	1.0	"
12,255.0	B9W	VJM	Macquarie Island, Antarctica	FX	1.5	"
12,255.0	850/50N	VLV	Mawson Base, Antarctica	FX	5.0	"
12,255.0	USB	VNM	Hobart (Kingston), Tas., Australia	FX	1.0	"
12,255.0	USB	TZA512	Bamako, Mali	FX	4.0	Telcom
12,256.0	475/50R	....	unknown	FX	....
12,257.0	425/50N	A9M56	Manama, Bahrain	FX	....
12,257.0	*170/50N	ONN39	Brussels, Belgium	FX	1.0	Hungarian EMBASSY
12,257.0	850/50R	HGX29	Paris, France	FX	....	" "
12,260.0	850/50N	D2J27	Luanda, Angola	FX	10.0	
12,260.0	425/50R	CME377	Havana, Cuba	FX	1.0	Hungarian EMBASSY
12,260.0	F7B	RDD73	Moscow, USSR	FX	100.0	
12,260.5	LSB	....	Dakar, Senegal	FX	....	Telcom
12,263.0	375/50	TTL	N'Djamena, Chad	FX	1.0	
12,263.6	425/75N	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
12,265.0	425/50R	BZR62	Wulumuqi, PRC	FX	25.0	XNA Nx EE 0100-0300
						1415-1700
				[Beamed to Europe]		
12,265.0	425/50R	HGX21	unknown		3.0	
12,266.5	850/50R	ZPN	Asuncion Aeradio, Paraguay	AX	1.0	[ARA] Tfc/Rio
12,267.5	850/50N	9VC56	Singapore	FX	3.0	
12,268.0	170/50N	XZW	Rangoon Aeradio, Burma	AX	....
12,268.0	850/75R	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
12,268.0	FAX	ZZA53	Harare, Zimbabwe	FX	1.0	Meteo
12,269.0	F1B	EEQ10	Police/Las Palmas not Navy			
12,270.0	B8E	BAZ53	Beijing, PRC	FX	10.0	Telcom/Tfc
12,270.0	CW	....	several, in southern Pacific Ocean	AX	....	Aero (Net among
			the major islands including: Fiji; T3T5, Tarawa Arpt.,			
			Kiribati; Nauru; Solomon; Tonga; Tuvalu; etc.)			
12,270.0	850/....e	....	unknown	FX	....
12,272.0	850/75N	†KWS78	Athens, Greece	FX	1.0	USA EMBASSY
12,275.0	850/50R	JAL82	Tokyo, Japan	FX	10.0	KYODO Nx EE
			0430-0600 (Not on Sundays)			
				[Beamed to Europe]		
				Nx EE 0610-0640		
				0720-0820		
				1000-1100		
				[Beamed to North America]		
12,275.0	F1B	....	unknown	FX	....	AZAP Nx FF
12,275.1	850/....e	....	unknown	FX	....
12,276.0	F1B	LZY7	Warsaw, Poland	FX	1.0	Bulgarian EMBASSY
12,278.0	425/50R	BCT22	Shanghai, PRC	FX	15.0	Tfc
12,278.5	425/75R	BXT49	unknown	FX	....	PRC EMBASSY
12,279.0	425/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	....	Brazil Navy
12,280.0	425/50R	BZL32	Wulumuqi, PRC	FX	10.5	XNA
12,280.0	425/50R	CLN369	Havana (Bauta), Cuba	FX	20.0	PL Nx EE 0800-0955
				[Beamed to Vietnam]		
12,280.0	425/50R	GBU32	London (Dorchester), England	FX	30.0	AP
			[Beamed to Africa & Middle East]			

kHz	Mode	Call	Location	Service	kW	Remarks
12,280.0	F1B	↑DZR31	Manila, Philippines	FX	15.0	
12,280.0	425/50R	....	unknown		....	Nx EE
12,282.0	CW	5YC	Nairobi, Kenya	FX	....
12,282.0	CW	"X3Q"	unknown	FX	....	VVV's
12,283.0	425/50N	IRJ42	Rome (Torrenova), Italy	FX	10.0	ex-SPA Nx
				[Beamed to North Africa]		
12,285.0	850/50N	9VF75	Singapore	FX	7.0	ANSA Nx
12,285.0	425/50R	RKU74	Moscow, USSR	FX	15.0	Bakhtar Nx EE
				0415-0545 (Not on Saturdays)		
12,285.0	425/75R	RKU74	Moscow, USSR	FX	15.0	APN Nx RR 0735
12,285.0	425/100Rc	RKU74	" "	FX	15.0	APN Nx RR 0830 ip
12,285.0	F7B	RKU74	" "			TASS Nx AA/FF 1630-2200
				(Not on Sundays) [Beamed to the Middle East]		
12,290.0	USB	....	Lyndhurst, Vic., Australia	FX	....	R. Australia
				Feeder		
				(0600-0700 & 0800-2130 in various languages)		
12,290.0	425/50R	RCQ74	Yakutsk, USSR	FX	5.0	Meteo
12,293.0	850/50R	BPJ23	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
12,293.0	425/50R	IRJ22	Rome (Torrenova), Italy	FX	30.0	ANSA
12,294.0	USB	3AD1	Monaco	FX	30.0	R. Monaco Feeder
12,294.7	BBE	FZX322	Miquelon, St. Pierre & Miquelon Is.	FX	6.0	Telcom/Tfc
12,295.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY
				[Alt: 10,780.0 & 14,515.0]		
12,295.0	425/50	"JMS"	unknown	FX	....	Coded Tfc
12,297.5	850/....	....	several, Pacific Ocean area	FX	....	USN
12,299.5	425/....	....	unknown	FX	....	Idling
12,300.0	850/50N	ZHF88	Port Stanley, Falkland Islands	FX	7.5	
12,300.0	425/50R	SOM230	Warsaw, Poland	FX	20.0	
12,301.0	CW	CME302	Havana, Cuba	FX	1.0	Polish EMBASSY
12,301.5	425/50R	CLN370	Havana (Bauta), Cuba	FX	5.0	
12,303.0	*USB	ZBI56	Georgetown, Ascension Island	FX	1.0	Telcom
12,304.5	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (Also
			heard on this frequency: SAM24, Copenhagen, Denmark; SAM25, Lisbon, Portugal; SAM30, Madrid, Spain; SAM 8, Damascus, Syria & SAM52, Tel Aviv, Israel)			
12,305.0	850/50N	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
12,305.0	850/50N	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	Argentinian Navy
12,305.0	FAX	FTM30	Paris (St. Assise), France	FX	20.0	Meteo
12,305.0	USB	3AD1	Monaco	FX	30.0	R. Monaco Feeder
12,306.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY
12,306.0	425/75R	....	Sofia, Bulgaria	FX	....	EMBASSY
12,306.5	850/....	....	unknown	FX	....
12,307.0	CW	OBC3	Callao, Peru	FX	....	TIME SIGNALS
12,307.5	LSB	SAM40	Warsaw, Poland	FX	1.0	Swedish EMBASSY
12,310.0	425/50R	BAS96	Beijing, PRC	FX	10.0	Tfc/Karachi
12,310.0	CW	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	2.0	USN
12,310.0	475/50N	HMF26	Pyongyang, North Korea	FX	....	KCNA Nx
12,312.0	600/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	[RBA] Tfc/Argentina
12,312.0	425/75N	SAM	Stockholm, Sweden	FX	1.2	EMBASSY Nx 0910-0940
12,312.4	425/50R	FDY	Orleans Air, France	FX	5.0	French AF
12,312.5	425/50N	OLL5	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 1100
				[Beamed to India]		
12,314.2	375/50R	5YE	Nairobi, Kenya	FX	10.0	Meteo
12,314.5	425/....	....	unknown	FX	....
12,315.0	850/....	....	Le Port Naval, Reunion	FX	2.5	French Navy
12,315.0	425/50R	RWV57	Moscow, USSR	FX	15.0	Bakhtar Nx EE
				(Not on Saturdays) 0415-0545		
				[Beamed to the Middle East]		
				TASS Nx FF		
				1600-1900 [Beamed to West Africa]		
12,315.0	425/50R	YZJ3	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
			1200-1400 (Not on Sundays) [Beamed to the Far East]			
			(May also be used for unclassified EMBASSY Messages)			
12,315.0	CW	....	unknown	FX	....	net "HO BKU"
12,317.0	850/50R	AWD	Delhi Aeradio, India	AX	....
12,320.0	FAX	....	Novosibirsk, USSR	FX	....	Meteo
12,322.0	425/50R	CLN371	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
12,322.0	FAX	JKC3	Tokyo (Kemigawa), Japan	FX	5.0	Meteo/Nx
12,323.0	850/50N	CSY55	Santa Maria Aeradio, Azores	AX	2.0	[MSA] Tfc/Shannon
12,325.0	425/50R	RDD72	Moscow, USSR	FX	20.0	Bakhtar Nx EE

kHz	Mode	Call	Location	Service	kW	Remarks
(Not on Saturdays) 0415-0545						
TASS Nx FF 1600-1900						
TPP 1800-1900						
[Beamed to West Africa]						
12,325.1	LSB	....	unknown	FX	....	Telcom
12,326.3	100/....e	....	unknown		....
12,329.0	425/50R	BAK32	Beijing, PRC	FX	50.0	XNA
12,329.0	CW	OVG12	Frederikshavn Naval, Denmark	FX	5.0	Danish Marine
12,329.0	CW	OVC	Groennedal, Greenland	FX	5.0	Danish Marine
12,329.0	CW	"U"	unknown	RC	....	Beacon
12,330.0 — 13,200.0 kHz — MARITIME MOBILE (Worldwide)						
12,330.0	USB		The band between these frequencies is divided into 32 channels spaced 3.1 kHz apart and assigned numbers from 1201 to 1232. These are ship transmitting channels and are paired with Coastal USB stations operating between 13,100.8 and 13,196.9 kHz			
	USB					
12,333.1	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
12,333.1	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
12,362.0	AI*	....	Beijing, PRC	FX	10.0	XNA Nx CC 0000-0300 & 0700-1000 [Non-directional]
12,419.0	425/50R	"YBU"	unknown, probably in Cuba	FX	....
12,429.2	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam)
12,429.2	USB	....	Coast & Ship Simplex Voice Frequency	FC/MS	..	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KHF, Amelia, IA; WRF, Elizabeth, NJ; KUX, San Diego, CA; WBD, Houston, TX; etc.
12,432.3	USB	NMC	COMMSTA San Francisco, CA	FC/MS	10.0	USCG
12,432.3	USB	....	Coast & Ship Simplex Voice Frequency	FC/MS	..	Inland and inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KMC955, Seattle, WA; WXY998, Miami, FL; KHT, Cedar Rapids, IA; etc.)
12,435.4	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes same stations as listed on 12,429.2)
12,435.4	USB	....	Coast & Ship Simplex Voice Frequency	FC/MS	..	Inland and inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KYX593, Seattle, WA; WMP, West Palm Beach, FL; etc.)
12,450.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service
12,491.5	170/ARQ		The band between 12,491.5 and 12,519.5 kHz is divided into 57 channels spaced 500 Hz apart. These are paired with SITOP Coastal stations operating between 13,071.5 and 13,099.5 kHz			
12,519.5	170/ARQ					
12,540.0	CW		The band between these two frequencies is divided into 18 channels spaced 1.2 kHz apart and assigned numbers from 1 to 18. These are ship transmitting channels. The most commonly used channels are 5 and 6, 12,544.8 and 12,546.0 kHz, respectively.			
12,561.6	CW					
12,570.6	170/75N	IDR	Rome Naval, Italy	FC	....	Italian Navy
12,644.0	170/50R	....	presumed Dubai or Abu Dhabi	FX	....	Salvage Operation
12,645.0	CW	C7C	Ocean Station Vessel "Charlie"	MS	....
12,655.0	CW	6VA6	Dakar Radio, Senegal	FC	4.0	(drifts)
12,655.2	CW	PJK213	Suffisant Dorp Naval, Curacao	FC	1.0	Dutch Navy
12,655.5	CW	FFT6	St. Lys Radio, France	FC	10.0	
12,655.5	CW	CWN23	Colonia Armada Radio, Uruguay	FC	0.3	Uruguayan Navy (HX)
12,655.5	FAX	....	unknown	FC	....	Meteo
12,656.5	*170/50Nc	UJQ	Kiev Radio, Ukrainian SSR	FC	20.0	[4LA]
12,657.0	CW	33AME	unknown			

kHz	Mode	Call	Location	Service	kW	Remarks
12,657.0	CW	EPW	Tehran Radio, Iran	FC	....	wx at 0730/0830 & 1130/1030
12,658.1	850/50N	CCS	Santiago Naval, Chile	FC	2.0	Chilean Navy
12,658.3	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
12,659.0	CW	LZW5	Varna Radio, Bulgaria	FC	15.0	
12,659.4	CW	9VG37	Singapore Radio, Singapore	FC	3.0	
12,659.9	CW	YIR	Basrah Control, Iraq	FC	1.0	
12,660.0	CW	JNE	Hiroshima Radio, Japan	FC	0.5	JMSA
12,660.0	CW	JGC	Yokohama Radio, Japan	FC	1.0	
12,660.0	CW	S7Q	Seychelles Radio, Seychelles	FC	1.0	
12,660.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	2.0	Uruguayan Navy
12,660.0	CW	WSL	Amagansett Radio, NY	FC	10.0	
12,660.0	CW	9PA	Banana Radio, Zaire	FC	....
12,660.5	CW	UNQ	Novorossiysk Radio, USSR	FC	5.0	
12,661.5	CW	XSG	Shanghai Radio, PRC	FC	2.0	
12,661.5	*170/50Rc	UMV	Murmansk Radio, USSR	FC	15.0	
12,661.7	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
12,662.0	CW	7TA8	Algiers Radio, Algeria	FC	1.0	
12,663.0	CW	ZSD51	Durban Radio, RSA	FC	....
12,663.5	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	15.0	
12,664.5	CW	FUM	Papeete Naval, Tahiti	FC	10.0	French Navy
12,664.5	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	10.0	
12,666.5	CW	5BA	Cyprus (Nicosia) Radio, Cyprus	FC	15.0	
12,667.0	FAX	VFF	Frobisher CG Radio, NWT, Canada	FC	5.0	Meteo
12,667.5	CW	JCX	Naha Radio, Okinawa, Japan	FC	2.0	wx at 0000 & 0800
12,669.0	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
12,669.1	CW	OFJ3	Helsinki Radio, Finland	FC	10.0	
12,671.0	CW	VFF	Frobisher CG Radio, NWT, Canada	FC	1.0	AMVER
12,671.5	*170/50Rc	UDH	Riga Radio, Latvian SSR	FC	15.0	
12,673.6	CW	CLA33	Havana (Cojimar), Cuba	FC	5.0	PL Nx 0700-0800
				Not on Sundays (To Ships at Sea)		
12,673.5	CW	ETC	Assab Radio, Ethiopia	FC	2.0	
12,673.6	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
12,674.0	CW	UXN	Arkhangelsk Radio, USSR	FC	....
12,675.0	CW	XFK	La Paz (Baja California) R., Mexico	FC	0.5	
12,675.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
12,675.0	CW	RRMT	unknown	FC	....	TL 1620
12,675.0	CW	RRMT	unknown	FC	....
12,675.5	CW	A4M	Muscat Radio, Oman	FC	1.0	
12,677.1	170/50Nc	....	unknown	FC	....
12,677.9	CW	9MG3	Penang Radio, Malaysia	FC	1.0	
12,678.0	CW	FFS6	St. Lys Radio, France	FC	10.0	
12,678.0	CW	YJM3	Port-Vila Radio, Vanuatu	FC	0.5	
12,678.0	CW	UQB	Kholmsk Radio, USSR	FC	15.0	HX
12,681.5	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
12,682.5	CW	TNA12	Pointe-Noire Radio, Congo	FC	2.0	
12,682.5	CW	PKE	Ambina Radio, Indonesia	FC	1.0	
12,682.5	CW	PKF	Makassar Radio, Indonesia	FC	1.0	0400-0500 & 1200-1300, only
12,682.5	CW	ODR4	Beirut Radio, Lebanon	FC	....	wx at 0600 & 2100
12,682.5	CW	PKP	Dumai Radio, Indonesia	FC	1.0	
12,682.5	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	
12,682.5	CW	LFC	Rogaland Radio, Norway	FC	5.0	
12,683.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
12,684.5	CW	UFM3	Nevelsk Radio, USSR	FC	....
12,684.5	*170/50Nc	UGH2	Juzno-Sakhalinsk Radio, USSR	FC	15.0	
12,687.0	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS
12,687.0	CW	OFJ4	Helsinki Radio, Finland	FC	10.0	
12,687.0	CW	JCT	Choshi Radio, Japan	FC	6.0	
12,688.5	CW	UQK2	Riga Radio, Estonian SSR	FC	5.0	
12,688.5	CW	YLZ	unknown	FC	....
12,689.0	CW	LZL5	Bourgas Radio, Bulgaria	FC	1.0	
12,689.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	(NOAA re-ports wx broadcasts at 0130, 0730 & 1900)
12,689.0	CW	SXA3	Sparta Attikis Radio, Greece	FC	....	Greek Navy/NATO
12,690.0	CW	ZAD2	Duresse Radio, Albania	FC	1.0	
12,690.0	425/74R	PBC912	Goeree Island Naval, Netherlands	FC	....	Dutch Navy
12,690.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	5.0	
12,691.0	CW	GXH	NAVCOMMSTA Thurso, Scotland	FC	10.0	USN(NOAA re-ports wx broadcast at 1230)

kHz	Mode	Call	Location	Service	kW	Remarks
12,691.0	CW	EDF44	Aranjuez Radio, Spain	FC	15.0	
12,691.0	CW	NAM	NAVCOMMSA Norfolk, VA	FC	....	USN
12,691.4	CW	FUX	Le Port Naval, Reunion	FC	5.0	French Navy
12,692.0	CW	RIT	unknown, undoubtedly in USSR	FC	....	Russian Navy
12,692.2	CW	ZRH	Cape (Fisanteakraal) Naval, RSA	FC	15.0	RSA Navy
12,693.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
12,693.0	850/75R	33AME	Madrid Naval, Spain	FC	....	37UMA
12,693.8	CW	ZRQ5	Cape (Simonstown) Naval, RSA	FC	15.0	RSA Navy/
Wx broadcasts at 1030 & 1830						
12,695.2	CW	XSX	Keelung Radio, Taiwan	FC	2.5	(NOAA reports
Wx broadcasts at 0430, 1030, 1630 & 2230)						
12,695.5	CW	CNP	Casablanca Radio, Morocco	FC	2.0	
12,695.5	CW	OBY2	Paita Naval, Peru	FC	....	Peruvian Navy
12,695.5	CW	KFS	San Francisco Radio, CA	FC	10.0	(NOAA reports
Wx broadcasts at 0430, 1620, 2200 & 2300)						
12,696.5	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
12,697.0	*170/50Nc	UDN	Jdanov Radio, Ukrainian SSR	FC	5.0	
12,697.8	CW	5RS	Tamatave Radio, Madagascar	FC	2.0	
12,698.0	CW	A9M	Bahrain Radio, Bahrain	FC	10.0	
12,698.0	850/74R	33AME	Madrid Naval, Spain	FC	....
12,698.0	CW	FUJ	Noumea Naval, New Caledonia	FC	10.0	French Navy
12,698.0	CW	ZSC9	Cape Town Radio, RSA	FC	10.0	
12,698.9	CW	XSQ4	Guangzhou Radio, PRC	FC	2.0	
12,699.0	CW	HPP	Panama Radio, Panama	FC	5.0	
12,700.0	CW	D4D	Praia de Cabo Radio, Cape Verde	FC	1.0	
12,700.0	CW	3DP	Suva Radio, Fiji	FC	0.5	AMVER
12,700.0	CW	NMR	COMMSTA San Juan, PR	FC	10.0	USCG/AMVER
12,700.0	CW	H4H29	Honiara Radio, Solomon Islands	FC	0.6	
12,700.0	*170/50Rc	UXN	Arkhangelsk Radio, USSR	FC	25.0	Nx RR 0900
(Wednesdays & Saturdays)						
12,700.0	CW	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG
12,700.2	CW	D4A7	Sao Vicente Radio, Cape Verde	FC	3.0	
12,701.0	850/75Re	FUB	Paris (Houilles) Naval, France	FC	....	French Navy
12,702.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	10.0	C. Forces/NAWS
12,702.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
12,703.0	CW	XFL	Mazatlan Radio, Mexico	FC	0.5	
12,703.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	15.0	HX
12,704.6	*850/75N	CTU3	Monsanto Naval, Portugal	FC	5.0	[RPFNCF] Port. Navy
12,703.6	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	0000-0100 & 1100-1200, only
12,704.5	CW	PKM	Bitung Radio, Indonesia	FC	1.0	0200-0230, 1000-1030 & 1400-1430, only
12,705.0	CW	XSR	Haikou Radio, PRC	FC	....
12,705.0	CW	DHJ59	Sengwarden Naval, GFR	FC	....	GFR Navy/NATO
12,705.5	CW	WLO	Mobile Radio, AL	FC	30.0	(NOAA reports
Wx broadcasts at 1300 & 2300)						
12,706.0	CW	UQK2	Riga Radio, Latvian SSR	FC	5.0	
12,706.5	CW	CTV28	Monsanto Naval, Portugal	FC	....	[P13G] Port. Navy
12,707.0	CW	LST9	Buenos Aires Radio, Argentina	FC	1.0	
12,707.0	CW	9VG34	Singapore Radio	FC	3.0	
12,709.0	CW	LSA5	Boca Radio, Argentina	FC	1.0	
12,709.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
12,709.0	CW	8PO	Barbados Radio, Barbados	FC	1.0	
12,709.0	CW	LZL5	Bourgas Radio, Bulgaria	FC	1.0	
12,709.0	CW	8RB	Demerara Radio, Guyana	FC	1.0	
12,709.0	CW	ELC	Monrovia Radio, Liberia	FC	2.5	
12,709.0	CW	FJP23	Noumea Radio, New Caledonia	FC	1.0	
12,709.0	CW	ZSC23	Cape Town Radio, RSA	FC	10.0	
12,709.2	CW	VRT	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	
12,709.3	CW	9HD	Malta Radio, Malta	FC	5.0	0900-0930 & 1300-1330, only
12,710.0	CW	VWB	Bombay Radio, India	FC	2.5	AMVER/Reported
Wx broadcasts at 0848 & 1648/NAVAREA 0648 & 1548						
12,710.0	CW	UFL6	Vladivostok Radio, USSR	FC	15.0	
12,711.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	AMVER
12,711.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	5.0	
12,712.0	CW	HLW3	Seoul Radio, South Korea	FC	15.0	
12,712.9	*170/ARQ	GKN5	Portishead Radio, England	FC	15.0	
12,714.0	CW	CBV3	Valparaiso Radiomaritima, Chile	FC	0.7	AMVER
12,714.0	FAX	GKM5	Portishead Radio, England	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
12,714.0	CW	UXN	Arkhangelsk Radio, USSR	FC	5.0	
12,714.0	170/75N	NMC	San Francisco, CA	FC	....	USCG Day Frequency
12,714.9	CW	GK05	Portishead Radio, England	FC	15.0	
12,715.0	*170/50Nc	UJQ7	Kiev Radio, Ukrainian SSR	FC	15.0	
12,715.0	*170/50Nc	UFH	Petropavlovsk Radio, USSR	FC	15.0	
12,716.0	FAX	9VG21	Singapore Radio	FC	5.0	Meteo
12,717.0	*850/75Ne	ZLO5	Iirirangi Naval, New Zealand	FC	7.5	RNZ Navy
12,718.5	CW	NMN	USCG Posrtsmouth, Va	FC	....	AMVER
12,718.5	CW	VWM	Madras Radio, India	FC	2.5	
12,718.6	CW	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG/AMVER
12,720.0	CW	SVD5	Athens Radio, Greece	FC	5.0	
12,720.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,720.0	CW	UPB	Providenia Bukhta Radio, USSR	FC	15.0	HX
12,720.0	CW	RMP	Rostov Naval, USSR	FC	....	Russian Navy
12,721.0	CW	SPH61	Gdynia Radio, Poland	FC	10.0	
12,722.0	CW	FJY4	St. Paul et Amsterdam Radio, French Antarctic	FC	0.3	
12,722.0	CW	FJY4	Martin de Vivies	FC	....	wx at 0245, 0545, 1015, 11
12,723.0	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
12,723.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	HX
12,723.0	*850/....	....	numerous, in Pacific area	FC	....	USN
12,723.0	CW	RCV	Moscow Naval, USSR	FC	....	Russian Navy
12,723.5	CW	CTP	Oeiras Naval, Portugal	FC	....	NAWS
12,724.0	CW	9VG57	Singapore Radio	FC	3.0	
12,724.0	CW	ZSC43	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/
			(NOAA reports wx broadcasts at 0930 & 1730)			
12,725.0	CW	OSN	Oostende Naval, Belgium	FC	1.0	Belgium Navy
12,725.0	CW	JYO	Aqaba Radio, Jordan	FC	5.0	
12,725.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	....
12,726.0	CW	CFH	Maritime Command, Halifax, NS, Canada (Canadian Forces)	FC	10.0	[C13L](NOAA reports wx broadcasts at 0200, 0630, 1400 & 1800)seasonal ice warnings at 0230 & 1430/NAVAREA broadcast at 1700
12,727.0	CW	HLJ	Seoul Radio, South Korea	FC	7.0	
12,727.0	CW	†RKDF	Parnu Radio, Estonian SSR	FC	....
12,727.5	CW	XSL	Fuzhou Radio, PRC	FC	1.0	HX
12,727.5	CW	XSW	Kaohsiung Radio, Taiwan	FC	2.5	
12,727.5	CW	SVG5	Athens, Greece	FC	....
12,727.6	CW	LGJ	Rogaland Radio, Norway	FC	5.0	AMVER
12,728.0	CW	LS05	Buenos Aires Radio, Argentina	FC	1.0	Argentinian Navy/
			Reported wx broadcasts at 0210, 1210 & 1810			
			Reported NAVAREA broadcasts at 0030 & 1530			
12,728.0	CW	S3V	Cox's Bazaar Radio, Bangladesh	FC	1.0	
12,728.0	CW	J2A9	Djibouti Radio	FC	1.0	
12,728.0	CW	YKM7	Lattakuaia Radio, Syria	FC	1.0	
12,729.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	Reported
			wx & NAVAREA broadcasts at 0100, 0900 & 1500			
12,730.0	CW	UMV	Murmansk Radio, USSR	FC	15.0	
12,730.0	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG(NOAA re-ports wx broadcasts 0000 (Mondays), 0300, 0630 & 1900)
12,730.0	FAX	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG/Wx pics at 0100, 0300, 0500, 0700, 1500, 1700, 2000 & 2300
12,730.0	425/50R	HWU	Le Blanc Naval, France	FC	....	FAAZ
12,731.0	CW	....	unknown probably Cuban	FC	....
12,732.0	CW	DUN	Manila Radio, Philippines	FC	0.5	wx at 2100 & 1600
12,732.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	10.0	Black Sea
12,734.0	CW	XSP	Shantou Radio, PRC	FC	....
12,734.0	CW	UGK2	Kaliningrad Radio, USSR	FC	15.0	
12,735.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
12,735.8	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
12,738.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
12,739.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,740.0	CW	XDA	Radiomex Radio, Mexico	FC	10.0	
12,740.0	CW	ZLB5	Awarua Radio, New Zealand	FC	5.0	AMVER
12,740.0	CW	UNQ2	Novorossiysk Radio, USSR	FC	5.0	
12,740.2	CW	GYA	London (Northwood) Naval, England	FC	10.0	British Navy
12,741.0	CW	CBV	Valparaiso Radiomartima, Chile	FC	6.0	
12,741.0	*850/75R	FUE3	Brest Naval, France	FX	....	French Navy
12,741.8	FAX	GZZ44	London (Northwood) Naval, England	FC	5.0	British Navy

kHz	Mode	Call	Location	Service	kW	Remarks
12,743.0	CW	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG/AMVER
12,743.0	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG
12,744.0	CW	RCV	Moscow Naval, USSR	FC	....	Russian Navy
12,745.0	CW	Y5M	Ruegen Radio, GDR	FC	10.0	
12,745.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	15.0	
12,745.5	CW	VWC	Calcutta Radio, India	FC	2.5	TIME SIGNALS/
Tfc(NOAA reports wx broadcast at 0630)						
12,745.5	FAX	JJC	Tokyo, Japan	FC	15.0	
12,747.0	USB	"KPA2"	unknown	FX	....	YL rpts (1980)
12,747.0	USB	"MIW2"	unknown	FX	....	YL rpts (1981)
12,747.5	CW	CBV	Valparaiso Radiomartima, Chile	FC	1.0	
12,747.6	CW	IRM8	CIRM, Rome Radio, Italy	FC	15.0	MEDICO/AMVER
12,748.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,748.0	CW	CLA3Ø	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,748.1	FAX	NIK	COMMSTA Boston, MA	FC	5.0	USCG
[Seasonal ice pics at 1600]						
12,749.0	CW	TBO3	Izmir Naval, Turkey	FC	....	wx at 1700
12,750.0	CW	PWB	Belem Radio, Brazil	FC	2.0	Brazilian Navy
12,750.0	CW	PWF	Salvador Radio, Brazil	FC	2.0	" "
12,750.0	CW	PWP	Florianopolis Radio, Brazil	FC	2.0	" "
12,750.0	CW	6YX	Kingston CG Radio, Jamaica	FC	....
12,750.0	*170/50Nc	UFM3	Nevelsk Radio, USSR	FC	5.0	
12,750.0	*170/75N	NIK	COMMSTA Boston, MA	FC	5.0	USCG (NOAA reports seasonal ice warning at 1218)
12,750.0	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	wx at 0000, 1400, 1900
12,752.0	CW	C6N	Nassau Radio, Bahamas	FC	0.5	
12,752.0	CW	XFA	Acapulco Radio, Mexico	FC	0.5	
12,752.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
12,752.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
12,753.5	CW	ØXZ62	Lyngby Radio, Denmark	FC	5.0	Nx 1330-1400
12,754.0	170/75R	NMA	COMMSTA Miami, FL	FC	....	USCG
12,754.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
12,754.5	CW	UJØ5	Izmail Radio, Ukrainian SSR	FC	....
12,755.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	ESF
12,755.5	CW	SAB6	Goteborg Radio, Sweden	FC	5.0	AMVER
12,756.0	CW	RKDF	Parnu Radio, Estonian SSR	FC	....
12,757.0	CW	YQ15	Constanta Radio, Rumania	FC	1.0	
12,759.0	CW	JCE82	Naha Radio, Okinawa, Japan	FC	5.0	
12,759.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FC	5.0	USN
12,759.0	850/...e	NAU	NAVCOMMSTA San Juan, PRC	FC	5.0	USN
12,760.0	CW	IDQ26	Rome Naval, Italy	FC	1.0	Italian Navy/
Reportedly broadcasts II Nx at 0300, 1800 & 2230						
12,760.0	CW	IRM7	CIRM, Rome Radio, Italy	FC	....	MEDICO/AMVER
12,760.0	CW	UFB	Odessa Radio, USSR	FC	....
12,761.0	CW	VFC	Cambridge Bay CG Radio, NWT, Canada	FC	0.3	AMVER
12,761.0	CW	XFS	Tampico Radio, Mexico	FC	0.5	
12,763.5	CW	LPD76	Gen. Pacheco Radio, Argentina	FC	3.0	(NOAA reports wx broadcasts at 0118 & 1600)
12,763.5	CW	DAM	Norddeich Radio, GFR	FC	10.0	Tfc/TIME SIGNALS/ (2355-0006 summer months, only)
12,765.0	CW	9GX	Tema Radio, Ghana	FC	10.0	
12,765.0	CW	UCW4	Leningrad Radio, USSR	FC	....
12,765.0	CW	UKW3	Korsakov Radio, USSR	FC	5.0	
12,768.0	CW	PCH5Ø	Scheveningen Radio, Netherlands	FC	10.0	AMVER
12,772.0	CW	TCR	TSWL Tophane Kulesi	FC	....	wx at 1500 & 1700
12,772.5	CW	ZSC38	Cape Town Radio, RSA	FC	10.0	
12,774.5	CW	3SG	Laoshan Naval, PRC	FC	....	PRC Navy/TFL 1450
12,775.0	CW	XFU	Veracruz Radio, Mexico	FC	2.5	
12,775.5	CW	SAB6	Goteborg Radio, Sweden	FC	5.0	
12,780.0	CW	D3E51	Luanda Radio, Angola	FC	5.0	
12,780.0	CW	HAR4	Budapest Naval Radio, Hungary	FC	1.0	
12,780.0	CW	UUK	Akhalkalaki, USSR	FC	....
12,780.5	CW	YUR5	Rijeka Radio, Yugoslavia	FC	6.0	
12,781.5	CW	ØST5	Oostende Radio, Belgium	FC	15.0	
12,781.5	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
12,781.5	CW	9MB5	Penang Naval Radio, Malaysian Navy	FC	....
12,781.5	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	
12,784.0	CW	XSX	Keelung Radio, Taiwan	FC	1.0	
12,785.0	CW	UPW2	Liepaja Radio, Latvian SSR	FC	5.0	
12,785.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
12,786.0	CW	DZW	Manila Radio, Philippines	FC	0.3	
12,788.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
12,788.5	CW	GKD5	Portishead Radio, England	FC	15.0	
12,789.8	CW	XST	Qingdao Radio, PRC	FC	....
12,790.0	CW	GKG5	Portishead Radio, England	FC	15.0	
12,790.0	CW	XFP	Campeche Radio, Mexico	FC	1.0	
12,790.0	CW	XFB3	Ciudad del Carmen Radio, Mexico	FC	1.0	
12,790.0	CW	XFS2	Ciudad Madero Radio, Mexico	FC	1.0	
12,790.0	CW	XFF2	Veracruz Radio, Mexico	FC	0.5	
12,790.0	CW	XFQ2	Frontera (Tabasco) Radio, Mexico	FC	0.5	
12,790.0	CW	XFY2	Guaymas Radio, Mexico	FC	1.0	
12,790.0	CW	XKF2	La Paz (Baja California) R., Mexico	FC	1.0	
12,790.0	CW	XFM2	Manzanillo Radio, Mexico	FC	0.5	
12,790.0	CW	XFL2	Mazatlan Radio, Mexico	FC	1.0	
12,790.0	CW	XFU2	Veracruz Radio, Mexico	FC	1.0	
12,791.5	CW	GKH5	Portishead Radio, England	FC	15.0	
12,792.0	CW	CLA31	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,792.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
12,793.0	CW	RNO	Moscow Radio, USSR	FC	5.0	SAAMC
12,794.0	CW	RIT	unknown, very probably in the USSR	FC	....	Russian Navy
12,795.2	CW	PWZ33	Rio de Janeiro Naval, Brazil (NOAA reports wx broadcasts at 0030, 0630 & 1730)	FC	10.0	Brazilian Navy/
12,795.7	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
12,797.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
12,799.5	CW	XSZ	Dalian Radio, PRC	FC	4.0	
12,799.5	CW	PCH51	Scheveningen Radio, Netherlands	FC	10.0	AMVER
12,800.0	CW	HSA3	Bangkok Radio, Thailand	FC	10.0	
12,800.9	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
12,803.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	[4LL]
12,804.0	CW	PWB	Belem Naval, Brazil	FC	2.0	Brazilian Navy
12,804.0	CW	XSI	Sania Radio, PRC	FC	0.5	HX
12,804.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FC	....	USN
12,804.0	CW	DZE	Mandaluyong Radio, Philippines	Fc	0.4	
12,804.0	CW	NFO	San Miguel (Capas) Naval, Philippines	FC	15.0	USN/TIME SIGNALS
12,805.0	CW	UJQ7	Kiev Radio, Ukrainian SSR	FC	10.0	
12,807.7	CW	GYA	London (Northwood) Naval, England	FC	10.0	[B13A] British Navy
12,808.0	CW	3SB	Datong Naval, PRC (Also operating on this frequency are 3SM, Qingdao; 3SQ, Ningbo & 3SV, Zhanjiang—all PRC Navy)	FC	15.0	PRC Navy
12,808.5	CW	VTG7	Bombay Naval, India	FC	....	Indian Navy
12,808.5	*170/ARQ	KPH	San Francisco Radio, CA	FC	30.0	
12,810.0	CW	UJE	Moscow Radio, USSR	FC	....
12,811.3	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	3.0	(NOAA reports wx broadcast at 1630)
12,811.5	CW	JFH	Hamajima Gyogyo Radio, Japan	FC	1.0	
12,813.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	15.0	
12,815.0	CW	GKF5	Portishead Radio, England	FC	15.0	
12,815.0	CW	XFY	Guaymas Radio, Mexico	FC	0.5	
12,815.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	15.0	[4LI] [RWWW]
			Occasional TASS Nx bulletins 1000 (Saturdays, only)			
12,816.0	CW	DZA	Mandaluyong Radio, Philippines	FC	0.8	
12,817.5	CW	XSU	Yantai Radio, PRC	FC	0.5	
12,817.5	CW	9VG26	Singapore Radio	FC	3.0	
12,817.5	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
12,818.0	CW	OMP51	Prague Radio, Czechoslovakia	FC	1.0	
12,818.0	CW	OMK	Komarno Radio, Czechoslovakia	FC	1.0	
12,818.1	170/ARQ	....	unknown	FX	....
12,820.0	*170/50Nc	UAT	Moscow Radio, USSR	FC	15.0	
12,820.0	CW	XVG10	Haiphong Radio, Vietnam	FC	....
12,822.0	CW	XSV	Tianjin Radio, PRC	FC	2.0	
12,822.0	CW	GKA5	Portishead Radio, England	FC	5.0	(NOAA reports wx broadcasts at 0930 & 2130) NAVAREA 0730 & 1730
12,823.5	CW	CTP96	Oeiras Naval, Portugal	FC	5.0	Port. Navy/NATO
12,824.2	CW	GYU	Gibraltar Naval, Gibraltar	FC	5.0	British Navy
12,825.0	CW	UFH	Petropavlovsk Radio, USSR	FC	15.0	
12,826.5	CW	CBM2	Magallanes (Punta Arenas) R., Chile	FC	4.0	
12,826.5	CW	JCS	Choshi Radio, Japan	FC	3.0	
12,826.5	CW	SPH62	Gydnia Radio, Poland	FC	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
12,826.5	CW	WNU34	Slidell Radio, LA	FC	10.0	(NOAA reports wx broadcasts at 0430 & 1630)
12,827.7	CW	DZF	Manila (Bacoor) Radio, Philippines	FC	0.4	Reported wx broadcasts at 1600 & 2200
12,829.4	CW	XFM	Manzanillo Radio, Mexico	FC	0.5	
12,830.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
12,831.0	CW	VHK5	COMMSTA Canberra, ACT, Australia	FC	5.0	RA Navy
12,831.0	CW	VHM5	COMMSTA Darwin, NT, Australia	FC	5.0	RA Navy
12,831.0	CW	9MG3	Penang Radio, Malaysia	FC	5.0	HX
12,831.0	CW	FFP7	Fort de France Radio, Martinique	FC	1.0	(NOAA reports warning broadcasts at 1145, 1500, 1730 & 2000)
12,831.0	CW	3BA5	Mauritius (Bigara) Radio, Mauritius	FC	5.0	
12,831.5	CW	ULY4	Aleksandrovsk Radio, USSR	FC	....
12,832.5	*170/ARQ	DAF	Norddeich Radio, GFR	FC	10.0	
12,833.0	CW	SVF5	Athens Radio, Greece	FC	5.0	
12,833.0	CW	RMP	Rostov Radio, USSR	FC	....
12,834.5	CW	DZP	Manila (Novaliches) R., Philippines	FC	1.0	Reported wx broadcasts at 0300 & 1100
12,835.5	CW	GKB5	Portishead Radio, England	FC	15.0	
12,835.5	*170/50Nc	UFH	Petropavlovsk Radio, USSR	FC	30.0	UBE2
12,839.3	CW	VTP6	Vishakhapatnam Naval, India	FC	5.0	Indian Navy
12,839.4	CW	WPA6	Port Arthur Radio, TX	FC	5.0	
12,840.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	
12,840.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	(NOAA re-ports wx broadcasts at 0100, 0600, 1000, 1200, 1500, 1830, 2020 & 2100)
12,840.0	CW	LZWS2	Varna Radio, Bulgaria	FC	5.0	
12,840.0	CW	JMC5	Tokyo Radio, Japan	FC	4.0	(NOAA reports wx broadcasts at 0318, 0648, 0918, 1148, 1518, 1748, 2118 & 2348)
12,840.0	850/75N	PBC312	Goeree Island Naval, Netherlands	FC	....	Dutch Navy
12,843.0	CW	RUZU	Molodezhnaya Base, Antarctica	FC	....
12,843.0	CW	HLO	Seoul Radio, South Korea	FC	7.0	
12,843.0	CW	XFP	Chetumal Radio, Mexico	FC	0.5	
12,843.0	CW	UGE2	Bellinghausen Base, S. Shetland Is.	FC	....
12,844.5	FAX	GZZ	London (Northwood) Naval, England	FC	6.0	British Navy/Meteo
12,844.5	CW	UON	Baku Radio, Azerbaijan SSR	FC	4.0	
12,844.5	CW	KFS	San Francisco Radio, CA	FC	30.0	
12,846.0	CW	DZE	Mandaluyong Radio, Philippines	FC	0.4	Reported wx broadcasts at 0000 & 1000
12,847.0	CW	WPA	Port Arthur Radio, TX	FC	5.0	
12,847.5	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
12,849.0	CW	ZSJS	NAVCOMCEN (Silvermine), RSA	FC	5.0	RSA Navy/AMVER
12,852.0	CW	DZR	Manila Radio, Philippines	FC	5.0	Reported wx broadcast at 0120
12,853.3	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
12,853.5	CW	PCH52	Scheveningen Radio, Netherlands	FC	3.0	AMVER
12,854.0	CW	UKA	Vladivostok Radio, USSR	FC	25.0	Reported wx broadcast at 1000
12,855.0	CW	UBF2	Leningrad Radio, USSR	FC	5.0	
12,855.0	CW	UKX	Nakhodka Radio, USSR	FC	5.0	
12,855.4	CW	DZD	Manila (Antipolo) R., Philippines	FC	0.4	Reported wx broadcast at 0300
12,855.8	CW	4WD3	Hodeidah Port Radio, Yemen A.R.	FC	2.0	
12,856.1	CW	XSG7	Shanghai Radio, PRC	FC	10.0	
12,858.0	CW	FUV	Djibouti Naval, Djibouti	FC	2.0	French Navy
12,858.0	CW	GKI5	Portishead Radio, England	FC	15.0	
12,858.0	CW	JFS	Hachinohe Gyogyo Radio, Japan	FC	0.5	
12,858.0	CW	JFW	Iwaki Gyogyo Radio, Japan	FC	0.5	
12,858.0	CW	JFF	Miyagi Gyogyo Radio, Japan	FC	2.0	
12,858.0	CW	FUJ2	Noumea Naval, New Caledonia	FC	20.0	French Navy
12,859.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
12,859.0	CW	SVI5	Athens Radio, Greece	FC	10.0	
12,859.6	CW	"HJN2"	unknown	FC	....	CQ CQ
12,860.0	CW	4X0	Haifa Radio, Israel	FC	2.5	
12,860.0	CW	UGG9	Belomorsk Radio, USSR	FC	....
12,860.5	CW	Y5M	Ruegen Radio, GDR	FC	10.0	
12,860.8	CW	5RS	Tamatave Radio, Madagascar	FC	2.0	
12,862.0	CW	....	unknown	FC	....	Reported wx

kHz	Mode	Call	Location	Service	kW	Remarks
						broadcast at 1150
12,862.5	CW	....	numerous, worldwide	FC	....	USN
12,864.0	CW	XSW	Kaohsiung Radio, Taiwan	FC	....
12,864.7	CW	DZZ	Manila Radio, Philippines	FC	0.5	Reported wx
						broadcasts at 0230 & 0930
12,865.0	*170/50Nc	UQK2	Riga Radio, Latvian SSR	FC	15.0	
12,865.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	15.0	
12,866.0	CW	NMO	COMMSTA Honolulu, HI	FC	10.0	USCG/NERK/NUKO
12,867.0	CW	XYR8	Rangoon Radio, Burma	FC	5.0	
12,867.0	CW	....	numerous, worldwide	FC	....	USN
12,868.0	CW	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG
12,869.0	CW	WNU54	Slidell Radio, LA	FC	20.0	
12,870.0	CW	LZS32	Sofia Naval Radio, Bulgaria	FC	....
12,870.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	Reported wx
						broadcast at 1030
12,870.0	CW	UKA	Vladivostok Radio, USSR	FC	....
12,871.5	CW	XSG	Shanghai Radio, PRC	FC	10.0	TIME SIGNALS/Tfc
						(NOAA reports wx broadcasts at 0306 & 0906)
12,871.5	CW	GKJ5	Portishead Radio, England	FC	15.0	
12,871.5	CW	KUQ	Pago Pago, American Samoa	FC	2.5	
12,872.0	CW	SPE62	Szczecin Radio, Poland	FC	10.0	
12,872.0	*170/50Nc	UKX	Nakhodka Radio, USSR	FC	10.0	
12,874.0	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
12,875.0	CW	FUG3	La Regine Naval, France	FC	....	French Navy
12,875.5	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	AMVER
12,876.0	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	AMVER(NOAA re-
						ports wx broadcasts at 0130, 0530 & 1730)
12,876.0	CW	LFJ	Rogaland Radio, Norway	FC	5.0	AMVER
12,876.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
12,876.0	CW	XSM	Xiamen Radio, PRC	FC	....
12,877.0	CW	XSQ7	Guangzhou Radio, PRC	FC	7.0	
12,877.5	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	[4LC]
12,878.0	CW	JCU	Choshi Radio, Japan	FC	15.0	
12,878.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,879.0	....	"WAS"	unknown, very probably in Cuba	FX	....
12,880.0	CW	JFE	Naha Gyogyo Radio, Okinawa, Japan	FC	1.0	
12,880.5	CW	SAG6	Goteborg Radio, Sweden	FC	5.0	AMVER
12,881.3	CW	DZG	Manila (Marilao) Radio, Philippines	FC	5.0	(NOAA reports
						wx broadcasts at 0320 & 1520)
12,883.6	170/...e	....	unknown	FC	....	Idling
12,885.0	CW	FUM	Papeete Naval, Tahiti	FC	....	French Navy
12,885.0	CW	9YL	North Post Radio, Trinidad	FC	2.0	(NOAA reports
						warning broadcasts at 1200 & 1530)
12,886.6	CW	WLO	Mobile Radio, AL	FC	30.0	
12,887.7	CW	EAD44	Aranjuez Radio, Spain	FC	15.0	
12,889.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	[4LC]
12,889.5	CW	XSE	Qinhuangdao Radio, PRC	FC	2.0	
12,889.5	*170/FEC	NMO	COMMSTA Honolulu, HI	FC	10.0	USCG
12,889.5	CW	IDQ6	Rome Naval, Italy	FC	10.0	Italian Navy
12,889.5	*850/...e	....	numerous	FC/MA/MS	...	USCG Command
						Net Frequency
12,890.0	CW	XSJ	Zhanjiang Radio, PRC	FC	1.0	
12,890.0	CW	UOP	Tuapse Radio, USSR	FC	5.0	
12,891.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	2.5	
12,891.0	*170/50Nc	UFN	Novorossiysk Radio, USSR	FC	5.0	
12,891.0	170/50Nc	....	unknown	FC	....
12,894.0	850/...e	FUF	Fort de France Naval, Martinique	FX	5.0	[RFLIF] French Navy
12,894.0	CW	6WW	Dakar Naval, Senegal	FC	10.0	French Navy
12,895.0	CW	9KK8	Kuwait Radio, Kuwait	FC	5.0	(NOAA reports
						wx broadcast on request)
12,895.0c	CW	UNM2	Klaipeda Radio, Lithuanian Radio	FC	5.0	
12,898.0	CW	XSG	Shanghai Radio, PRC	FC	2.0	
12,898.5	*170/ARQ	DAN	Norddeich Radio, GFR	FC	5.0	
12,900.0	*850/50N	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
12,900.0	CW	DXF	Davao Radio, Philippines	FC	0.4	
12,900.5	CW	XFF	Coatzacoalcas Radio, Mexico	FC	0.5	HX
12,901.5	*170/50Nc	URD	Leningrad Radio, USSR	FC	15.0	
12,902.0	CW	HLJ	Seoul Radio, South Korea	FC	7.0	
12,903.0	FAX	NGR	NAVCOMMSTA Nea Makri, Greece	FC	15.0	USN/Meteo
						(0800-2000)

kHz	Mode	Call	Location	Service	kW	Remarks
12,903.0	850/50R	RBSL	Bombay Naval, India	FC	5.0	[VTH] Indian Navy
12,904.5	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	
12,905.5	FAX	XSC	Fangshan Radio, PRC	FC	10.0	PRC Navy
12,905.5	CW	UMV	Murmansk Radio, USSR	FC	15.0	
12,906.0	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	(NOAA reports wx broadcasts at 0300 & 1000)
12,907.5	CW	VHP5	COMMSTA Canberra, ACT, Australia	FC	15.0	RA Navy/ (NOAA reports wx broadcast at 1730)
12,907.5	CW	VIX	Master Station Canberra, Australia	FC	15.0	
12,907.5	CW	YUR6	Rijeka Radio, Yugoslavia	FC	6.0	
12,910.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,912.0	CW	XSH	Basuo Radio, PRC	FC	1.0	
12,912.0	CW	UHK	Batumi Radio, Georgian SSR	FC	15.0	Black Sea
12,912.6	CW	FFL6	St. Lys Radio, France	FC	10.0	
12,915.0	CW	URD2	Leningrad Radio, USSR	FC	....
12,916.5	CW	OXZ6	Lynghby Radio, Denmark	FC	10.0	Nx 1330-1400
12,916.5	CW	HLF	Seoul Radio, South Korea	FC	10.0	
12,919.0	CW	UDN	Jdanov Radio, Ukrainian SSR	FC	5.0	
12,920.0	CW	UFN	Novorossiysk Radio, USSR	FC	....
12,921.0	CW	GXA	London (Northwood) Naval, England	FC	10.0	British Navy
12,923.1	CW	HLW2	Seoul Radio, South Korea	FC	15.0	
12,925.0	CW	9KK20	Kuwait Radio, Kuwait	FC	5.0	
12,925.0	*170/50Nc	UDK2	Murmansk Radio, USSR	FC	15.0	
12,925.5	CW	WCC	Chatham Radio, MA	FC	30.0	
12,927.0	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	
12,928.0	CW	SPH63	Gdynia Radio, Poland	FC	10.0	
12,930.0	*170/50Nc	UAT	Moscow Radio, USSR	FC	25.0	
12,931.0	USB	....	Birmingham Muni. Arpt., AL	FA	....	USAF/ANG
12,932.2	*850/75R	33AME	Madrid Radionaval, Spain	FC	....	[RETJ] Spanish Navy
12,933.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	15.0	
12,934.5	CW	EDZ5	Aranjuez Radio, Spain	FC	3.5	
12,935.0	CW	HLG	Seoul Radio, South Korea	FC	10.0	
12,935.0	CW	UHK	Batumi Radio, Georgian SSR	FC	1.0	Black Sea
12,935.5	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
12,936.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	(NOAA reports wx broadcasts 0200 & 1400)
12,939.0	CW	SPE61	Szczecin Radio, Poland	FC	10.0	
12,939.0	*850/...e	....	numerous, worldwide	FC	....	USN
12,940.0	CW	LZW52	Varna Radio, Bulgaria	FC	15.0	
12,942.0	CW	SWG5	Athens Radio, Greece	FC	5.0	
12,942.0	CW	JNA	Tokyo Naval, Japan	FC	....	JSDA/Reported NAVAREA at 1200
12,942.0	CW	DXR	Manila Radio, Philippines	FC	....	Reported wx broadcasts at 0300 & 1000
12,942.0	CW	RKLM	Arkhangelsk Radio, USSR	FC	5.0	[aka UFD9]
12,943.5	CW	CUG27	Sao Miguel Radio, Azores	FC	1.0	
12,943.5	CW	CUB	Madeira Radio, Madeira Islands	FC	1.0	1400-1600
12,943.5	CW	9MG3	Penang Radio, Malaysia	FC	....
12,943.5	CW	CUL20	Lisbon Radio, Portugal	FC	15.0	
12,943.5	CW	ZLP5	Irirangi Naval, New Zealand	FC	10.0	RNZ Navy
12,947.0	*170/50Nc	UF8	Odessa Radio, Ukrainian SSR	FC	15.0	
12,948.0	CW	JJF	Tokyo Naval, Japan	FC	4.0	JSDA
12,948.0	CW	DYV	Iloilo Radio, Philippines	FC	0.4	
12,950.0	CW	UF8	Odessa Radio, Ukrainian SSR	FC	10.0	[4KA]
12,951.0	CW	DYH	Cebu Radio, Philippines	FC	....
12,952.5	CW	VIS5	Sydney Radio, NSW, Australia	FC	2.0	AMVER
12,953.0	CW	WMH	Baltimore Radio, MD	FC	5.0	(NOAA reports wx broadcasts at 0130, 1330, 1600 & 1930)
12,953.5	CW	XVG28	Shanghai Radio, PRC	FC	....	Reported wx broadcasts at 0000 & every 3rd hour
12,954.9	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
12,955.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	
12,958.5	CW	PPO	Olinda Radio, Brazil	FC	1.0	
12,960.0	CW	CCV6	Valparaiso Naval, Chile	FC	....	Chilean Navy/ (NOAA reports wx broadcasts at 0110, 1330 & 1430)
12,960.0	CW	ULY4	Aleksandrovsk Radio, USSR	FC	....
12,961.5	CW	LFI	Rogaland Radio, Norway	FC	5.0	AMVER
12,961.5	CW	WCC	Chatham Radio, MA	FC	30.0	
12,963.0	CW	HAR	Budapest Naval, Hungary	FC	2.5	
12,963.5	CW	ZHH	St. Helena Radio, St. Helena Is.	FC	1.0	

kHz	Mode	Call	Location	Service	kW	Remarks
12,965.0	CW	UJ05	Izmail Radio, Ukrainian SSR	FC	2.5	[4KI]
12,966.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
12,966.0	CW	VWB	Bombay Radio, India	FC	2.5	wx at 0230 & 1430
12,966.0	CW	PCH53	Scheveningen Radio, Netherlands	FC	15.0	
12,966.0	CW	A7S	Qatar Radio, Qatar	FC	....
12,966.0	CW	NPQ	NAVCOMMSTA San Francisco, CA	FC	30.0	USN/TIME SIGNALS
12,966.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
12,967.0	CW	UJE	Moscow Naval, USSR	FC	....	Russian Navy
12,969.0	CW	XSV	Tianjin Radio, PRC	FC	10.0	
12,969.3	CW	SUH4	Alexandria Radio, Egypt	FC	3.0	
12,970.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
12,970.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	[4LA]
12,970.5	CW	PKB	Belawan Radio, Indonesia	FC	1.0	0230-0300 & 0630-0700, only
12,970.5	CW	PKI	Jakarta Radio, Indonesia	FC	1.0	0000-0230 & 0700-1000, only
12,970.7	CW	WOE	Lantana Radio, FL	FC	5.0	
12,972.0	CW	HAR	Budapest Naval Radio, Hungary	FC	2.5	
12,972.0	CW	DZH	Manila Radio, Philippines	FC	0.3	Reported wx broadcasts at 1100 & 2320
12,973.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	
12,974.6	*850/....	....	numerous, worldwide	FC	....	USN
12,975.1	CW	IQX	Trieste P.T. Radio, Italy	FC	3.0	
12,977.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
12,977.0	CW	UD22	Poti Radio, USSR	FC	1.0	
12,978.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
12,979.5	CW	PPL	Belem Radio, Brazil	FC	1.0	(NOAA reports wx broadcasts at 0130, 0800 & 1930)
12,979.5	CW	VIS49	Sydney Radio, NSW, Australia	FC	5.0	
12,980.0	CW	PKB20	Lhok Seumawe Radio, Indonesia	FC	1.0	Pertanina
12,980.0	CW	PKI2	Jakarta Radio, Indonesia	FC	1.0	
12,980.0	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
12,980.0	CW	PKR6	Cilacap Radio, Indonesia	FC	0.4	
12,980.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,980.0	CW	UPB	Providenia Bukhta Radio, USSR	FC	5.0	
12,983.0	CW	USW2	Rostov Radio, USSR	FC	5.0	
12,984.0	CW	4XZ	Haifa Naval, Israel	FC	2.0	Israel Navy
12,984.0	CW	DZM	Manila (Bulacan) Radio, Philippines	FC	10.0	
12,987.2	CW	GUY	Gibraltar Naval, Gibraltar	FC	....	British Navy
12,988.5	CW	3BM5	Mauritius (Bigara) Radio, Mauritius	FC	4.0	(NOAA reports wx broadcasts at 0130, 0430, 0900 & 1600 cyclones 1330)
12,988.6	CW	LPD88	Gen. Pacheco Radio, Argentina	FC	15.0	AMVER
12,990.0	*170/50Nc	UJQ	Kiev Radio, Ukrainian SSR	FC	5.0	
12,990.0	CW	UKK3	Nakhodka Radio, USSR	FC	15.0	
12,990.0	CW	UOP	Tuapse Radio, USSR	FC	15.0	
12,991.0	850/75N	RPTIHB	Horta Radionaval, Azores	FC	....	Port. Navy (0930,1030)
12,993.0	CW	D4A7	S. Vicente Radio, Cape Verde	FC	3.0	
12,993.0	CW	UKG	Kerch Radio, Ukrainian SSR	FC	5.0	
12,993.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
12,994.0	CW	VP4	Perth Radio, WA, Australia	FC	10.0	AMVER(NOAA re- ports wx broadcasts at 0100 & 1300)
12,994.0	CW	CTH55	Horta Naval, Azores	FC	5.0	[P13C] Port. Navy/Reported wx broadcasts at 0930 & 1030
12,995.0	CW	ROT	Moscow Naval, USSR	FC	15.0	Russian Navy
12,996.0	CW	IAR33	Rome P.T. Radio, Italy	FC	7.0	Reported nx broadcast at 0600
12,997.0	CW	XSQ	Guangzhou Radio, PRC	FC	....
12,997.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
12,997.5	CW	WSL	Amagansett Radio, NY	FC	10.0	(NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300)
13,000.0	CW	LZW5	Varna Radio, Bulgaria	FC	15.0	
13,000.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
13,000.0	850/75N	RPFNCF	Monsanto Naval, Portugal	FC	5.0	Port. Navy/Meteo (NOAA reports wx forecasts at 0800 & 2000)
13,000.0	CW	UBE2	Petropavlovsk Radio, USSR	FC	15.0	HX
13,002.0	CW	LPD32	Gen. Pacheco Radio, Argentina	FC	3.0	
13,002.0	CW	KPH	San Francisco Radio, CA	FC	15.0	
13,003.0	R2A	CTU2	Monsanto Naval, Portugal	FC	10.0	Port. Navy
13,004.0	CW	UDK2	Murmansk Radio, USSR	FC	....
13,005.5	CW	HLW	Seoul Radio, South Korea	FC	3.5	

kHz	Mode	Call	Location	Service	kW	Remarks
13,006.5	CW	GKK5	Portishead Radio, England	FC	15.0	
13,007.0	CW	OMP5	Prague Radio, Czechoslovakia	FC	1.0	
13,008.0	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
13,008.0	CW	DZI	Manila (Bacoar) Radio, Philippines	FC	1.0	
13,009.5	CW	HPP	Panama Radio, Panama	FC	5.0	
13,009.9	170/50Rc	UQA4	Kiev Radio, Ukrainian SSR	FC	15.0	
13,010.0	CW	UFJ	Rostov Radio, USSR	FC	5.0	
13,010.8	CW	AQP2	Karachi Naval, Pakistan	FC	7.0	Pakistan Navy
13,011.0	CW	IAR23	Rome P.T. Radio, Italy	FC	7.0	(NOAA reports wx broadcasts at 0700 & 1900)
13,011.0	CW	WNU44	Slidell Radio, LA	FC	3.0	
13,011.0	CW	"WKP"	unknown	FC	....	VVV WKP2/4/5/6
13,011.1	CW	IQH	Trieste P.T. Radio, Italy	FC	3.0	
13,015.0	CW	URD	Leningrad Radio, USSR	FC	....
13,015.5	CW	IAR3	Rome P.T. Radio, Italy	FC	7.0	
13,015.5	CW	JGC	Yokohama Radio, Japan	FC	1.0	
13,019.8	*170/ARQ	GKC5	Portishead Radio, England	FC	15.0	
13,020.0	170/FEC	NMF	COMMSTA Boston, MA	FC	5.0	USCG (NOAA reports North Atlantic wx forecasts at 0200 & 1700)
13,020.0	*170/50Nc	URD	Leningrad Radio, USSR	FC	15.0	
13,020.0	*170/50Nc	UBE	Petropavlovsk Radio, USSR	FC	...	
13,020.4	CW	VPS60	Cape D'aguiar Radio, Hong Kong	FC	3.0	TIME SIGNALS/Tfc (NOAA reports wx broadcasts at 0118, 0430, 0718 & 1318)
13,022.0	CW	SPE63	Szczecin Radio, Poland	FC	10.0	
13,023.0	CW	D3E62	Luanda Radio, Angola	FC	5.0	
13,023.7	CW	HEB	Berne Radio, Switzerland	FC	10.0	
13,024.0	CW	S3E	Khulna Radio, Bangladesh	FC	10.0	
13,024.0	CW	A7S	Qatar Radio, Qatar	FC	....
13,024.5	CW	ASK	Karachi Radio, Pakistan	FC	3.5	NOAA reports wx broadcast at 0830
13,024.9	CW	HLX	Seoul Radio, South Korea	FC	10.0	
13,024.9	CW	WSL	Amagansett Radio, NY	FC	10.0	(NOAA reports wx broadcasts at 1100, 1700 & 2300)
13,027.5	CW	DAL	Norddeich Radio, GFR	FC	15.0	
13,028.0	CW	ZSD46	Durban Radio, RSA	FC	3.5	
13,028.0	170/75N	"Z3N"	unknown	FC	....	clg Y4K
13,029.0	CW	SVB5	Athens Radio, Greece	FC	7.0	
13,029.0	CW	UQB	Kholmok Radio, USSR	FC	10.0	
13,030.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
13,031.0	CW	VRN60	Cape D'aguiar Radio, Hong Kong	FC	3.0	(NOAA reports wx broadcasts at 0430 & 0718)
13,031.2	CW	FUF	Fort de France Naval, Martinique	FC	10.0	French Navy
13,032.0	CW	DUN	Manila Naval, Philippines	FC	0.5	Philippine Navy
13,033.5	CW	WCC	Chatham Radio, MA	FC	10.0	
13,036.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
13,036.0	CW	"RCVR"	unknown	FC	....	Meteo
13,038.0	CW	OXZ61	Lyngby Radio, Denmark	FC	10.0	
13,038.0	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	(NOAA reports wx broadcast at 1730)
13,040.0	FAX	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
13,040.0	CW	UFN	Novorossiysk Radio, USSR	FC	15.0	
13,041.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
13,042.0	CW	C5G	Banjul Radio, Gambia	FC	1.0	
13,042.0	CW	C9C7	Maputo Radionaval, Mozambique	FC	3.0	TIME SIGNALS
13,042.0	CW	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	Reported wx broadcasts at 0100 & 0900
13,042.0	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	
13,042.0	CW	CTV3	Monsanto Naval, Portugal	FC	2.0	Port. Navy
13,042.0	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
13,042.0	CW	XVS9	Ho Chi Minh City Radio, Vietnam	FC	1.0	
13,042.5	CW	PJC	Curacao (Willemstad) R., Curacao	FC	2.5	
13,042.6	CW	FUV	Djibouti Naval, Djibouti	FC	20.0	French Navy
13,043.0	CW	"WFT77"	unknown	FC	....
13,044.0	CW	VPS61	Cape D'aguiar Radio, Hong Kong	FC	3.5	
13,044.0	CW	VRN61	Cape D'aguiar Radio, Hong Kong	FC	1.0	
13,045.0	CW	ROT	Moscow Naval, USSR	FC	15.0	Russian Navy
13,046.0	CW	PZN4	Paramaribo Radio, Suriname	FC	1.0	
13,046.0	CW	RIT	unknown, probably in the USSR	FC	....
13,046.9	CW	SVAS	Athens Radio, Greece	FC	3.5	
13,047.0	CW	D4AB	Sao Vicente Radio, Cape Verde	FC	3.0	

kHz	Mode	Call	Location	Service	kW	Remarks
13,047.0	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
13,047.0	CW	UKX	Nakhodka Radio, USSR	FC	5.0	
13,047.0	CW	UKA	Vladivostok Radio, USSR	FC	15.0	
13,047.5	CW	UAI2	Nakhodka Radio, USSR	FC	....
13,049.5	CW	HPP	Panama Radio, Panama	FC	5.0	
13,050.0	CW	UDK2	Murmansk Radio, USSR	FC	5.0	[4LL]
13,051.5	CW	WPD	Tampa Radio, FL	FC	5.0	(NOAA reports wx broadcasts at 1420 & 2320)
13,051.6	CW	4X0	Haifa Radio, Israel	FC	2.5	
13,052.4	CW	AME3	Madrid Radionaval, Spain	FC	1.0	[EBCQ] Spanish
			Navy/Reported	NAVAREA 0918, 1218 & 1618		
13,054.0	CW	XSQ	Guangzhou Radio, PRC	FC	1.0	
13,054.0	CW	†SVZ	Athens Radio, Greece	FC	....
13,054.0	*170/50NC	UJY7	Kaliningrad Radio, USSR	FC	5.0	
13,054.2	CW	JDC	Choshi Radio, Japan	FC	15.0	
13,055.0	CW	UJQ7	Kiev Radio, Ukrainian SSR	FC	15.0	
13,056.0	CW	S3D	Chittagong Radio, Bangladesh	FC	1.0	
13,056.0	CW	C9L6	Mozambique Radio, Mozambique	FC	0.5	
13,056.0	850/50R	NBA	NAVCOMMSTA Balboa, Panama	FC	5.0	USN
13,056.0	CW	EDG4	Aranjuez Radio, Spain	FC	15.0	
13,057.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
13,057.0	CW	OMK	Komarno Radio, Czechoslovakia	FC	1.0	
13,060.0	*170/50R	AME3	Madrid Radionaval Spain	FC	20.0	[EBCQ] Spanish
			NAVAREA 1000			Navy
13,060.0	CW	RBNF	Moscow Air, USSR	FA	....
13,060.0	CW	UFJ	Rostov Radio, USSR	FC	....
13,060.4	CW	70A	Aden Radio, PDR Yemen (South)	FC	2.0	
13,060.5	CW	TUA5	Abidjan Radio, Ivory Coast	FC	4.0	
13,062.0	CW	CLA32	Havana (Cojimar) Radio, Cuba	FC	5.0	PL Nx 2000-2100
			Not on Sundays	(To Ships at Sea)		
13,062.5	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
13,063.0	CW	JDB	Nagasaki Radio, Japan	FC	15.0	
13,064.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
13,065.0	CW	VIY	Christmas Island, Australia	FC	0.5	
13,065.0	CW	RKDF	Parnu Radio, Estonian SSR	FC	....
13,065.0	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
13,065.0	CW	5ZF3	Mombasa Radio, Kenya	FC	1.5	
13,065.0	CW	EAD4	Aranjuez Radio, Spain	FC	15.0	
13,065.5	CW	50W13	Lagos Radio, Nigeria	FC	1.0	
13,066.8	CW	TPA13	Reykjavik Radio, Iceland	FC	1.5	
13,067.0	CW	OST52	Oostende Radio, Belgium	FC	15.0	
13,067.0	CW	UKX	Vladivostok Radio, USSR	FC	5.0	
13,069.5	CW	TJC8	Douala Radio, Cameroon	FC	0.8	HX
13,069.5	CW	EQZ	Abadan Radio, Iran	FC	0.5	
13,069.5	CW	EQI	Abbas Radio, Iran	FC	1.0	
13,069.5	CW	EQK	Khoramshahr Radio, Iran	FC	1.0	
13,069.5	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
13,070.0	850/50R	BCI21	Shanghai, PRC	FX	15.0	
13,070.0	CW	TRP8	Shell Gamba Radio, Gabon	FC	....
13,070.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
13,071.5	*170/ARQ	9VG8Ø	Singapore Radio	FC	10.0	
13,072.1	*170/ARQ	GKE5	Portishead Radio, England	FC	5.0	
13,072.5	*170/ARQ	.....	Oostende Radio, Belgium	FC	10.0	
13,073.0	*170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	7.5	
13,073.1	CW	ZSD	Durban Radio, RSA	FC	....
13,073.2	*170/ARQ	ZUD81	Olifantsfontein Radio, RSA	FC	5.0	
13,073.4	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
13,074.0	*170/ARQ	VIP24	Perth Radio, WA, Australia	FC	1.0	
13,074.0	CW	9GA	Takoradi Raglo, Ghana	FC	10.0	
13,074.9	*170/ARQ	FTT61	St. Lys Radio, France	FC	10.0	
13,074.9	*170/FEC	FTT61	" " "	FC	10.0	FUUB Wx 1000
13,075.5	CW	UFL	Vladivostok Radio, USSR	FC	....
13,075.6	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
13,076.0	*170/ARQ	VIP34	Perth Radio, WA, Australia	FC	1.0	
13,076.1	CW	UFN	Novorossiysk Radio, USSR	FC	10.0	
13,076.5	170/ARQ	WFN	Louisville, KY	FC	5.0	
13,077.0	170/FEC	NRV	COMMSTA Barrigada, Guam	FC	....	USCG (NOAA reports forecasts at 0000, 0500 & 1500)
13,077.0	170/ARQ	PCH55	Scheveningen Radio, Netherlands	FC	10.0	
13,077.5	170/ARQ	KPH	San Francisco Radio, CA	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
13,078.1	*170/ARQ	VIS69	Sydney Radio, NSW, Australia	FC	5.0	
13,078.4	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
13,078.5	CW	9PA7	Banana Radio, Zaire	FC	3.0	
13,080.0	*170/ARQ	HEC13	Berne Radio, Switzerland	FC	10.0	
13,081.0	*170/ARQ	LGJ3	Rogaland Radio, Norway	FC	5.0	
13,081.4	170/ARQ	WCC	Chatham Radio, MA	FC	15.0	
13,082.0	*170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
13,082.5	*170/ARQ	SVT5	Athens Radio, Greece	FC	5.0	
13,083.5	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
13,083.5	*170/FEC	WLO	" " "	FC	15.0	(NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330)
13,085.0	*170/ARQ	GKP5	Portishead Radio, England	FC	15.0	
13,086.5	*170/ARQ	A9M	Bahrain Radio	FC	3.5	
13,086.7	170/50nc	UKA	Vladivostok Radio, USSR	FC	15.0	
13,087.1	CW	HXB	Barranquilla Radio, Colombia	FC	2.5	
13,087.2	CW	HIA	Domingo Piloto Radio, Dominican Rep.	FC	0.5	
13,089.0	*170/50nc	UAT	Moscow Radio, USSR	FC	....
13,090.1	170/FEC	WCC	Chatham Radio, MA	FC	15.0	
13,091.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
13,091.0	170/ARQ	URD	Leningrad Radio, USSR	FC	....	Nx/RR 0730
13,091.6	170/FEC	....	unknown	FC	....	NTM
13,092.0	170/50Rc	....	Murmansk Radio, USSR	FC	....
13,093.0	170/50nc	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
13,093.4	*170/ARQ	OKZ	Lyngby Radio, Denmark	FC	5.0	
13,094.4	*170/ARQ	WSL	Amagansett Radio, NY	FC	10.0	
13,096.9	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
13,097.1	*170/ARQ	LJG4	Rogaland Radio, Norway	FC	5.0	
13,098.1	170/ARQ	....	unknown	FC	....	Tfc/FF
13,099.0	*170/ARQ	GKQ5	Portishead Radio, England	FC	15.0	
13,099.2	CW	TIM	Limon Radio, Costa Rica	FC	3.0	

13,100.8 - 13,196.9 kHz — MARITIME COAST USB DUPLEX (Worldwide)

13,100.8	USB	GTK51	Portishead Radio, England	FC	10.0	CH#1201 (12,330.0)
13,100.8	USB	....	Moscow Radio, USSR	FC	10.0	" "
13,100.8	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
13,100.8	USB	KXS208	Moss Landing Radio, CA	FC	....
13,101.0	CW	TRA	Libreville Radio, Gabon	FC	0.5	0800-0830, only
13,103.9	USB	GTK52	Portishead Radio, England	FC	10.0	CH#1202 (12,333.1)
13,103.9	USB	HEB13	Berne Radio, Switzerland	FC	10.0	" "
13,103.9	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
13,103.9	USB	WFN	Jeffersonville, IN	FC/MS	0.8	Inland Waterway
13,103.9	USB	WCK	St. Louis (Granite City, IL), MO	FC/MS	0.8	Inland Waterway
13,103.9	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
13,105.0	850/75R	TEBA	Madrid Radionaval, Spain	FX	....	Spanish Navy
13,107.0	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#1203 (12,336.2)
13,107.0	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
13,107.0	*USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
			(NOAA reports wx broadcasts at 0100, 1300 & 1900)			
13,110.1	USB	LFL31	Rogaland Radio, Norway	FC	10.0	CH#1204 (12,339.3)
13,110.1	USB	....	Leningrad Radio, USSR	FC	10.0	" "
13,110.1	USB	....	numerous, worldwide	FC	....	USN
13,113.2	USB	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG CH#1205 [Wx broadcasts at 0130 & 0730] AMVER (12,342.4)
13,113.2	USB	NMO	COMMSTA Honolulu, HI	FC	10.0	USCG CH#1205 [Wx broadcasts at 1745 & 2345] (12,342.4)
13,113.2	USB	....	Genoa Radio 3, Italy	FC	7.0	CH#1205
13,113.2	USB	....	Rome Radio 3, Italy	FC	7.0	CH#1205 (12,342.4)
13,113.2	USB	....	Riga Radio, Latvian SSR	FC	10.0	" "
13,113.2	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG CH#1205 [Wx broadcasts at 0430, 1030, 1630 & 2230] (12,342.4)
13,113.2	USB	NMG	COMMSTA New Orleans, LA	FC	10.0	USCG CH#1205/ AMVER (12,342.4)
13,113.2	USB	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG CH#1205

kHz	Mode	Call	Location	Service	kW	Remarks
[Wx broadcasts at 1130, 1600, 1730, 2200 & 2230 (12,342.4)						
13,113.2	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMR, San Juan, PR & NOJ, Kodiak, AK; plus ships and aircraft			
13,116.3	USB	....	Rome Radio 3, Italy	FC	7.0	CH#1206 (12,345.5)
13,116.3	USB	WOM	Miami Radio, FL	FC	10.0	" "
13,117.7	CW	EPW2	Abbas	FC	....	IRN (NOAA reports wx broadcast at 1230)
13,119.4	USB	CUG	Sao Miguel Radio, Azores	FC	5.0	CH#1207
13,119.4	USB	OSU51	Oostende Radio, Belgium	FC	10.0	" "
13,119.4	USB	....	Curacao (Willemstad) R., Curacao	FC	1.0	" "
13,119.4	USB	4X0	Haifa Radio, Israel	FC	10.0	" "
13,119.4	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
13,119.4	USB	PCG52	Scheveningen Radio, Netherlands	FC	10.0	" "
13,119.4	USB	....	Murmansk Radio, USSR	FC	10.0	" "
13,122.5	USB	5BA54	Nicosia Radio, Cyprus	FC	10.0	CH#1208 (12,351.7)
13,122.5	USB	....	Moscow Radio, USSR	FC	....	" "
13,122.5	USB	WOM	Miami Radio, FL	FC	10.0	" "
13,125.6	USB	ZSC27	Cape Town Radio, RSA	FC	10.0	CH#1209 (NOAA reports wx broadcasts at 1330 & 2330)
13,125.6	USB	....	Rome Radio 3, Italy	FC	7.0	" "
13,125.6	USB	XFU	Veracruz Radio, Mexico	FC	1.0	" "
13,125.6	USB	ZLW	Wellington Radio, New Zealand	FC	10.0	" "
13,125.6	USB	....	Moscow Radio, USSR	FC	....	" "
13,125.6	USB	WOM	Miami Radio, FL	FC	10.0	" "
13,128.7	USB	....	Lynby Radio, Denmark	FC	10.0	CH#1210 (NOAA reports wx broadcast at 2230)
13,128.7	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
13,128.7	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
13,130.0	850/75N	....	unknown	....	....	(NOAA reports wx broadcasts at 0100, 1300 & 1900)
13,130.0	....	↑"BQY"	unknown	FX	....	RYRY
13,131.8	USB	....	Genoa Radio 3, Italy	FC	7.0	CH#1211
13,131.8	USB	LFL34	Rogaland Radio, Norway	FC	10.0	" "
13,131.8	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
13,131.8	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
13,132.0	850/75N	RXFI	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO (NOAA reports wx broadcasts at 0200, 1400 & 2000)
13,134.9	USB	SVN5	Athens Radio, Greece	FC	5.0	CH#1212
13,134.9	USB	KQM	Kahuku Radio, HI	FC	1.0	" "
13,134.9	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
13,134.9	USB	WLO	Mobile Radio, AL	FC	10.0	" "
13,138.0	USB	OSU53	Oostende Radio, Belgium	FC	10.0	CH#1213 (12,364.1)
13,138.0	USB	VCS	Halifax CG Radio, NS, Canada	FC	5.0	" "
13,138.0	USB	PCG51	Scheveningen Radio, Netherlands	FC	10.0	CH#1213/AMVER (NOAA reports wx broadcasts at 1625 & 2225)
13,141.1	USB	PPR	Rio de Janeiro Radio, Brazil	FC	1.0	CH#1214 (12,367.2)
13,141.1	USB	....	Lynby Radio, Denmark	FC	10.0	" "
13,141.1	USB	LFL36	Rogaland Radio, Norway	FC	10.0	" "
13,141.1	USB	↑KVH	Atlantic Marine Center, Norfolk, VA	FC	1.0	CH#1214/NOAA (12,370.3)
13,144.2	USB	4X0	Haifa Radio, Israel	FC	10.0	CH#1215 (12,373.4)
13,144.2	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
13,144.2	USB	WOM	Miami Radio, FL	FC	10.0	" "
13,147.3	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#1216 (12,376.5)
13,147.3	USB	SPC61	Gdynia Radio, Poland	FC	10.0	" "
13,147.3	USB	9VG66	Singapore Radio, Singapore	FC	10.0	" "

kHz	Mode	Call	Location	Service	kW	Remarks
13,147.3	USB	WWD	La Jolla (Scripps) Radio, CA	FC	1.0	" "
			(NOAA reports wx forecasts on request)			
13,147.5	850/50N	↑CCS	Santiago Naval, Chile	FC	....	Chilean Navy
13,150.0	USB	....	Govorit Vladivostok			
13,150.0	USB	CIO	unknown, also CIO2, CIO1F, CIO1U	FX	....	LETTERS/EE/YL
13,150.4	USB	LFL37	Rogaland Radio, Norway	FC	10.0	CH#1217
			(12,379.6)			
13,150.4	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA & NRV, Barrigada, Guam) [NMA may use this frequency for special law enforce- ment activities when required]			
13,153.5	USB	....	Rome Radio 3, Italy	FC	7.0	CH#1218
			(12,382.7)			
13,153.5	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
13,153.5	USB	LFL38	Rogaland Radio, Norway	FC	10.0	" "
13,156.6	USB	OSU57	Oostende Radio, Belgium	FC	10.0	CH#1219
			(12,385.8)			
13,156.6	USB	PCG53	Scheveningen Radio, Netherlands	FC	10.0	" "
13,156.6	USB	....	Liepapja, USSR	FC	....	" "
13,156.6	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
13,156.6	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, New Orleans, LA & NOJ, Kodiak, AK			
13,159.7	USB	LPL4	Gen. Pacheco Radio, Argentina	FC	3.0	CH#1220
			(12,388.9)			
13,159.7	USB	....	Bermuda (Hamilton) Radio, Bermuda	FC	1.0	" "
13,159.7	USB	SVN5	Athens Radio, Greece	FC	5.0	" "
13,162.8	USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#1221
			(12,392.0)			
13,163.0	CW	NBL	NAVCOMMSTA New London, CT	FC	....	USN
13,164.0	CW	unknown		FX	....	Coded Tfc
13,165.9	USB	FFL64	St. Lys Radio, France	FC	10.0	CH#1222
			(12,395.1)			
13,165.9	USB	LFL40	Rogaland Radio, Norway	FC	10.0	" "
13,169.0	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#1223
			(12,398.2)			
13,169.0	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
13,170.4	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
13,172.1	USB	GKV54	Portishead Radio, England	FC	10.0	CH#1224
			(12,401.3)			
13,172.1	USB	DAJ	Norddeich Radio, GFR	FC	10.0	" "
13,172.1	USB	3AC12	Monaco Radio, Monaco	FC	10.0	" "
13,172.1	USB	ZSD39	Durban Radio, RSA	FC	10.0	" "
13,172.1	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
13,172.1	USB	....	numerous, worldwide	FC	....	USN
13,175.2	USB	LFL42	Rogaland Radio, Norway	FC	10.0	CH#1225
			(12,404.4)			
13,175.2	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
13,175.2	USB	WLO	Mobile Radio, AL	FC	10.0	" "
13,178.3	USB	VIP	Perth Radio, WA, Australia	FC	5.0	CH#1226
			(12,407.5)			
13,178.3	USB	....	Lyngby Radio, Denmark	FC	10.0	" "
13,178.3	USB	FFL61	St. Lys Radio, France	FC	10.0	" "
13,178.3	USB	WLO	Mobile Radio, AL	FC	10.0	" "
			(NOAA reports wx broadcasts at 1300, 1800 & 0000)			
13,181.0	USB	....	numerous, off USA coastline	FC/MS	...	USN (Used for
			"OVERWORK" broadcasts)			[Alt: 6720.0]
13,181.4	USB	VID	Darwin Radio, NT, Australia	FC	1.0	CH#1227
			(12,410.6)			
13,181.4	USB	OHG2	Helsinki Radio, Finland	FC	10.0	" "
13,181.4	USB	SPO61	Szczecin Radio, Poland	FC	10.0	" "
13,181.4	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
13,181.4	USB	HEB23	Berne Radio, Switzerland	FC	10.0	" "
13,182.8	USB	....	numerous, worldwide	FC	....	USN
13,184.5	USB	....	Haifa Radio, Israel	FC	....	CH#1228
			(12,413.7)			
13,184.5	USB	LFL44	Rogaland Radio, Norway	FC	10.0	CH#1228
13,184.5	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
13,187.6	USB	VIB	Brisbane Radio, Qld., Australia	FC	1.0	CH#1229

kHz	Mode	Call	Location	Service	kW	Remarks
						(12,416.8)
13,187.6	USB	FFL62	St. Lys Radio, France	FC	10.0	" "
13,187.6	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
13,189.0	CW	†NAM	NAVCOMMSTA Norfolk, VA	FC	....	USN/NUKO
			[Reported wx broadcast at 1230]			
13,190.7	USB	HEB33	Berne Radio, Switzerland	FC	10.0	CH#1230
						(12,419.9)
13,190.7	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
13,193.8	USB	FFL63	St. Lys Radio, France	FC	10.0	CH#1231
						(12,423.0)
13,193.8	USB	....	Hong Kong (Cape D'aguilar) Radio	FC	6.0	" "
13,193.8	USB	LFL45	Rogaland Radio, Norway	FC	10.0	" "
13,196.9	USB	SVN5	Athens Radio, Greece	FC	5.0	CH#1232
						(12,426.1)
13,196.9	USB	KUQ	Pago Pago Radio, American Samoa	FC	1.0	" "
			This frequency is also used by USCG Coastal stations: NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA and NMO, Honolulu, HI			
13,199.6	425/50N	CAI7E	Mataveri Aeradio, Easter Island	AX	1.0	[ISA] Tfc/Santiago
13,200.0 - 13,360.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
13,201.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFE8, MacDill AFB, FL; AFI2, McClellan AFB, CA; AFL, Loring AFB, ME; AGA2, Hickam AFB, HI; AIC2, Clark AB, Philippines; AIE2, Andersen AFB, Guam; AIF, Yokota AB, Japan; AJE, Crough-ton, England; AKA5, Elemendorf AFB, AK; XPH, Thule, Greenland; AJG9, Incirlik AB, Turkey; AFA3, Andrews AFB, MD; "AIR FORCE ONE"; etc.) [Frequency also used by RAAF]
13,204.0	USB	....	several, USA nationwide	FA/MA	...	USAF (Ap-pears to be frequently used by "AIR FORCE ONE & TWO")
13,205.0	USB	....	numerous, in Australasia	FA/MA	...	RAAF/RNZAF (Us-ually AXD, "Air Force Laverton", Vic.; AXF, "Air Force Sydney", NSW; AXH, "Air Force Townsville", Qld.; AXI, "Air Force Darwin", NT; AXS, "Air Force Learmouth", WA; AXT, "Air Force Edinburgh", SA; ZKW, RNZAF, Christchurch; ZKX, RNZAF, Auckland; ZKY, RNZAF, Wanganui; MRX, Butterworth, Western Malaysia; etc.)
13,205.0	425/50R	BAK73	Shanghai, PRC	FX	2.0	
13,205.0	USB	HEE60	Berne Radio, Switzerland	FA	6.0	
13,209.0	CW	RMN	unknown	...	....	clg UQMS
13,210.0	425/50R	BAY22	Beijing, PRC	FX	15.0	XNA/TASS Feed
13,210.0	USB	AFE8	MacDill AFB, FL	FA/MA	...	USAF
13,211.0	USB	....	several, around New Zealand	FA/MA	...	RNZAF
13,215.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFA3, Andrews AFB, MD; AGA2, Hickam AFB, HI; AIF2, Yokota AB, Japan; AKA5, Elemendorf AFB, AK; CUW2, Lajes Field, Azores; AJ0, Adana AB, Turkey & "AIR FORCE ONE & TWO")
13,215.5	CW	FUX	St. Denis Naval, Reunion	FX	....	French Navy
13,218.0	USB	....	Vandenberg AFB, CA	FA/MA	...	USAF/AFSC
			[Frequently uses callsign starting with "ABNORMAL"]			
13,218.0	USB	....	"ARIA CONTROL"	..	....
13,221.0	USB	....	several, in Canada	FA/MA	...	RCAF (Usually CHR, "Trenton Military", Ont.; CJX, "St. Johns Military", Nfld. & VXA, "Edmonton Military", Alta.)
13,221.0	USB	....	numerous, within Soviet Union	FA/MA	...	Aeroflot
13,227.0	LSB	AGAR25	Cape Radio		....
13,229.0	850/....	....	unknown	FX	....
13,230.0	425/50N	....	Damascus, Syria	FX	....	SANA Nx EE
			(Not on Fridays) 0700-0900 & 1200-1500			
			[Beamed to Europe]			
13,231.0	USB	DHM95	"Lahr Military", GFR	FA	....	RCAF
13,231.0	USB	....	numerous, worldwide	FA/MA	...	USN
13,235.5	CW	HWN	Paris (Houilles) Naval, France	FA	....	French Navy
13,236.0	850/....	....	numerous, worldwide	FX	....	USN
13,240.0	USB	....	Karachi Radio, Pakistan	FA/MA	...	
13,241.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Used for SKY KING broadcasts—some alternative code names for Air Bases) [Sometimes called SAC "SIERRA" frequency]

kHz	Mode	Call	Location	Service	kW	Remarks
13,244.0	USB	....	numerous, worldwide AFEB, MacDill AFB, FL; AFL, Loring AFB, ME; CUW2, Lages Field, Azores; AFD14, Ascension Island; etc.) [This frequency also used by the USN]	FA/MA ...	USAF (Usually	
13,247.0	USB	AFA3	Andrews AFB, MD	FA/MA 1.5	USAF	
13,247.0	LSB	AFG37	Scott AFB, IL	FA/MA ...	USAF	
13,247.0	CW	COL	Havana Aeradio, Cuba	FA/MA ...	Aeroflot	
13,247.0	...	RFNV	Moscow Aeradio, USSR	FA/MA ...	Aeroflot (Mostly working in-flight to/from Havana)	
13,248.0	CW	BPA	Wulumuqi, PRC	FX	Tfc/BAC9	
13,248.0	USB	....	Belgrade Airport, Yugoslav	FA		
13,251.0	USB	....	numerous, in Pacific Ocean area NGD, McMurdo Station, Antarctica; "Liberty Lady" [Moffett NAS], CA; NPX, Siple Station, Antarctica; NCN, Awase, Okinawa, Japan; etc.)	FA/MA ...	USN (Usually	
13,254.0	USB	....	several, in Canada CHR, "Trenton Military", Ont.; CJX, "St. Johns Military", Nfld. & VXA, "Edmonton Military", Alta.)	FA/MA 4.0	RCAF (Usually	
13,255.0	CW	....	several, in Mexico XGF24(P), Cozumel; XGF35(X), La Paz, etc.)	FA 4.0	Tfc (Includes:	
13,257.0	USB	....	"ARCHITECT" (Bampton), England	FA 3.5	RAF (0800-1800	
13,257.0	USB	DHM95	Lahr Military, GFR	FA/MA ...	RCAF/NATO	
13,261.0	USB	....	several (ICAO CEP-5)	FA/MA ...	In-flight between Honolulu & San Francisco	
13,261.0	USB	....	Antananarivo Radio, Madagascar	FA 5.0		
13,264.0	425/50R	BZM43	Wulumuqi, PRC	FX 25.0	XNA	
				[Beamed to Africa]		
13,264.0	USB	EIP	Shannon Radio, Ireland	FA 2.0	VOLMET (cont.)	
13,264.0	*850/50N	C7P	Ocean Station Vessel 50°N & 145°W	FA	[aka "PAPA"]	
13,270.0	425/50R	BAL33	Beijing, PRC	FX 15.0	Tfc/EUR	
13,270.0	USB	VFG	Gander Radio, Nfld., Canada	FA 1.5	VOLMET (20+50)	
13,270.0	USB	WSY70	New York Radio, NY	FA 3.0	" (05+35)	
13,271.0	CW	....	unknown, numerous	FA		
13,272.0	USB	†....	Irkutsk Radio, USSR	FA	VOLMET/RR (05+35)	
13,272.0	USB	†....	Magadan Radio, USSR	FA	" /RR (10+40)	
13,273.0	USB	....	numerous (ICAO AFI-2)	FA/MA ...	Airports & in-flight throughout northwestern Africa--usually heard are the Algiers, Kano, N'Djamena, Niamey, Tamanrasset Tripoli ("Control"), Tunis, etc. airports	
13,273.0	USB	....	numerous (ICAO SP-7)	FA/MA ...	In-flight between Honolulu & Tahiti	
13,279.0	USB	....	Moscow (Sheremetievo) Radio, USSR	FA	VOLMET/EE (25+55)	
13,279.0	USB	....	Novosibirsk Radio, USSR	FA	" /EE (10+40)	
13,282.0	USB	KIS70	Anchorage Radio, AK	FA	VOLMET (25+55)	
13,282.0	USB	KVM70	Honolulu (International) Radio, HI	FA	" (00+30)	
13,282.0	USB	....	Hong Kong Radio	FA 2.0	" (15+45)	
13,282.0	USB	JMA	Tokyo (Narita) Radio, Japan	FA 3.0	" (10+40)	
13,282.0	USB	....	Auckland Radio, New Zealand	FA 5.0	" (20+50)	
13,282.0	USB	KSF70	San Francisco Radio, CA	FA	" (05+35)	
13,288.0	USB	....	numerous (ICAO AFI-3)	FA/MA ...	Airports & en-route covering all of northeastern Africa--usually heard are the Addis Ababa, Aden, Benghazi, Bombay, Bujumbura, Cairo, Cocos, Colombo, Dar-es-Salaam, Djibouti, Jeddah, Khartoum, Kigali, Mogadiscio, Nairobi, Tripoli ("Control"), etc. airport	
13,288.0	USB	....	numerous (ICAO MID-2)	FA/MA ...	Airports & en-route covering the Middle East & Arabian Sea--usually heard are Cairo, Bahrain, Bombay, New Delhi, Karachi, Kuwait, Seeb Int'l. (Oman), Teheran, etc., airports	
13,290.0	CW	....	unknown	FX	Coded Tfc	
13,291.0	USB	....	numerous (ICAO NAT-B & NAT-D)	FA/MA ...	Airports & in-flight covering all of the North Atlantic--usually heard are Bodo, Gander, New York, Reykjavik, Santa Maria & Shanwick airports. Users may call this the "ALFA" frequency.	
13,292.2	425/75N	BXT42	unknown	....	
13,294.0	USB	....	numerous (ICAO AFI-4)	FA/MA ...	Airports & in-flight covering from the Mediterranean Sea south to the Republic of South Africa--usually heard are Accra, Brazzaville, Bujumbura, Jo'Burg, Kano, Kinshasa, Luana, N'Djamena, Niamey, Sao Tome/Salzar, etc. airports	
13,294.0	USB	....	numerous (ICAO NP-3 & NP-4)	FA/MA ..	Airports & in-	

kHz	Mode	Call	Location	Service	kW	Remarks
flight across northern Pacific Ocean--usually heard are Anchorage, Cold Bay & Tokyo airports						
13,295.0	425/50R	†BXT11	unknown	FX	PRC EMBASSY	
13,296.0	USB	OKL	Prague Radio, Czechoslovakia	FA/MA ...		
13,296.0	USB	....	Paris Radio, France	FA		
13,297.0	USB	....	numerous (ICAO E-CAR/CAR-A & W-CAR)	FA/MA ..	Airports & in-	
flight throughout the entire Caribbean--usually heard are Caracas/Maiquetia, Havana/Boyeros, New Orleans, New York/JFK, San Juan, etc. airports						
13,297.5	425/75R	BXT42	unknown	FX	PRC EMBASSY	
13,306.0	425/75N	BXT20	unknown	FX		
13,360.0	425/50R	BAQ27	Beijing, PRC	FX 15.0	Tfc/London	
13,360.6	425/50R	BSB35	Lanzhou, PRC	FX 1.5	Meteo	
13,363.0	850/50R	ZRH82	Cape (Fisantekraal) Naval, RSA	FX 1.00	RSA Navy	
13,364.9	B9W	CSY46	Santa Maria Aeradio, Azores	AX 10.0	Tfc/Lisbon	
13,365.0	CW	GFT29	Bracknell, England	FX 2.5	Meteo	
13,365.0	850/50N	9VF76	Singapore	AX 10.0		
13,366.2	850/50N	CSY46	Santa Maria Aeradio, Azores	AX 3.0	Tfc/Lisbon	
13,366.5	425/50N	5YD9	Nairobi Aeradio, Kenya	AX 2.5	[KVA] Aero/Meteo	
13,367.5	CW	6MK56	Seoul, South Korea	FX	Yonhap Nx Korean	
(Not on Saturdays & Sundays) 0700-0800						
13,368.0	F1B	HMN75	Pyongyang (Bosong), PDR	FX 5.0	KCNA	
[Beamed to Southeast Asia]						
13,370.0	425/50R	RKU72	Moscow, USSR	FX 20.0	Meteo	
13,370.0	USB	....	unknown	FX		
13,371.0	DATA	....	unknown	FX		
13,371.2	CW	†CW04	Cerrito, Uruguay	FX 5.0	Tfc	
13,371.2	CW	"KRU"	unknown, probably in Cuba	FX	Rpts KRU KRU	
13,372.5	CW	NGR	NAVCOMMSTA Nea Makri, Greece	FX 5.0	USN(NOAA re-	
ports wx broadcasts at 0030, 0630 & 1230)						
13,373.0	USB	....	Antananarivo Radio, Madagascar	AX 5.0	Tfc/East Africa	
13,373.0	USB	3BN	Port Louis Radio, Mauritius	AX 5.0	Tfc/Antananarivo	
Tfc/Mahe						
13,375.0	425/50N	....	Sofia, Bulgaria	FX	EMBASSY	
13,375.0	425/50R	BAS78	Beijing, PRC	FX 10.0	Tfc/Karachi	
13,375.0	B9W	Y3D	Berlin (Nauen), GDR	FX 20.0	DP	
13,376.0	LSB	....	Nairobi Control, Kenya	AX 5.0		
13,377.0	F1B	CME338	Havana, Cuba	FX 1.0	Hungarian EMBASSY	
13,377.5	*F1B	†KNY21	Washington, DC	FX 1.0	Yugoslav EMBASSY	
13,377.5	*F1B	†KNY23	Washington, DC	FX 1.0	Czech EMBASSY	
13,377.6	USB	XBD492	Mexico City, DF, Mexico	FX 0.1		
13,379.0	425/50R	HGX21	Budapest, Hungary	FX	EMBASSY	
13,379.0	*F1B	†KNY26	Washington, DC	FX 1.0	Hungarian EMBASSY	
13,380.0	425/50N	ONN29	Brussels, Belgium	FX 0.3	Bulgarian EMBASSY	
13,380.0	CW	NRV	COMMSTA Barrigada, Guam	FX 10.0	USCG/NUKO	
13,380.0	425/75N	ZLX64	Himatangi Naval, New Zealand	FX 5.0	RNZ Navy/	
(NOAA reports wx broadcasts at 0400, 1300, 1700 & 2300)						
13,380.0	LSB	....	Moscow, USSR	FX	R. Moscow Feeder	
13,382.0	425/50N	....	Sofia, Bulgaria	FX	EMBASSY	
13,382.0	CW	GFT	Bracknell, England	FX	Meteo	
13,382.0	CW	MLU	Gibraltar	FX 1.0	DCN	
13,382.0	425/50N	HGX44	Baghdad, Iraq	FX	Hungarian EMBASSY	
13,385.0	CW	RMN3	Omsk, USSR	FX	USSR	
13,385.0	CW	RULE	Vostok Base, Antarctica	FX	"	
13,385.0	CW	UGE2	Bellingshausen Base, S. Shetland Is.	FX ...	"	
13,385.0	CW	UMA4	Leningradskaya Base, Antarctica	FX	"	
13,385.0	CW	UFE	Mirny Base, Antarctica	FX	"	
13,385.0	CW	RUZU	Molodezhnaya Base, Antarctica	FX	"	
13,385.0	CW	UDY	Novolazarevskaya Base, Antarctica	FX ...	"	
13,385.0	CW	UUT	unknown	FX	wkg RUZU	
[Also heard on this frequency are supply ships]						
13,386.0	F1B	LJA21	Tel Aviv, Israel	FX 0.4	Norwegian EMBASSY	
13,386.1	USB	LJA32	Warsaw, Poland	FX 0.4	Norwegian EMBASSY	
[Alt: 13,392.1 & 13,418.1]						
13,387.5	F1B	LJA32	Warsaw, Poland	FX 0.4	Norwegian EMBASSY	
[Alt: 13,393.5 & 13,419.5]						
13,389.8	725/50R	"KAC"	unknown, probably in Cuba	FX		
13,390.0	425/50R	BBU22	Shanghai, PRC	FX 15.0		
13,390.0	CW	COY851	Havana Naval Radio, Cuba	FX	Russian Navy	
13,390.0	850/50N	9VF78	Singapore	FX 5.0		

kHz	Mode	Call	Location	Service	kW	Remarks
13,392.0	425/75N	....	unknown	FX	....	Coded Tfc
13,392.0	425/75N	....	unknown-Czech or Polish	FX	....
13,393.5	F1B	LJA32	Warsaw, Poland	FX	0.4	Norwegian EMBASSY
13,394.0	B8E	IRK43	Rome (Torrenova), Italy	FX	....	Telcom
13,394.0	500/75Rc	....	unknown	FX	....
13,395.0	850/...e	NPO	NAVCOMMSTA Luzon, Philippines	FX	10.0	USN
13,395.0	CW	9VF79	Singapore	FX	0.5	Tfc/Bangkok
13,395.0	850/50N	9VF79	" "	FX	3.0	Tfc/Beijing
13,395.0	850/75N	KG65	unknown	FX	....	Foxes
13,395.2	500/50N	....	unknown	...	....	SS
13,396.0	USB	....	unknown	FX	....	Telcom/II?
13,397.0	F1B	3RJ6	Bangon met PRC	FX	....	Clg 3SU, Zhenhai
13,397.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
13,398.5	425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
13,400.0	425/50N	LZG3	Sofia, Bulgaria	FX	5.0	BTA Nx EE 1300-1345 (Not on Sundays) [Beamed to Asia]
13,400.0	475/50R	CUA68	Lisbon (Alfragide), Portugal	FX	5.0	Tfc
13,401.0	USB	AYX278	Buenos Aires, Argentina	FX	1.0	Net Control
13,402.0	USB	C8N28	Maputo, Mozambique	FX	....	Tfc/RSA
13,402.6	850/50R	....	unknown	....	....
13,402.6	425/50R	EPD62	Teheran Aeradio, Iran	AX	1.0	
13,403.0	850/50N	AYX278	Buenos Aires, Argentina	FX	0.1	Banking Tfc
13,404.5	USB	....	numerous, throughout Japan	FX	....	Governmental
13,405.0	425/50N	CLN402	Havana (Bauta), Cuba	FX	20.0	
13,405.0	850/50Rc	RNR4	Magadan, USSR	FX	20.0	Tfc/Meteo
13,405.0	850/...e	....	unknown	FX	....
13,405.8	425/50R	USZ	Dikson	FX	....	Meteo
13,410.0	LSB	VHC	NAVCOMMSTA Canberra, ACT, Australia	FX	5.0	RAN
13,410.0	B8E	YIE35	Baghdad (Abu Ghuraib), Iraq	FX	....	Telcom
13,410.0	CW	6WW	Dakar Naval, Senegal	FX	2.0	French Navy
13,410.0	425/50R	RIF38	Moscow, USSR	FX	20.0	Bakhtar Nx EE 0415-0545 (Not on Saturdays) [Non-directional] TASS Nx AA/FF 0600-0800 (Not on Sundays) [Beamed to the Middle East]
13,410.0		RIF38	Bakhtar			
13,412.0	425/50N	IRK24	Rome (Torrenova), Italy	FX	10.0	IINA Nx AA 1700-2000 [Beamed to North Africa & the Middle East]
13,413.5	SSB	....	Decimomannu, Sardinia	FX	....	RAF/NATO
13,415.0	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	5.0	USN
13,415.0	850/50N	PLC21	Jakarta, Indonesia	FX	0.5	
13,416.0	550/...e	....	unknown	FX	....
13,418.0	425/50R	YON24	Bucharest (Tiganesti), Rumania	FX	10.0	
13,419.5	F1B	LJA32	Warsaw, Poland	FX	0.4	Norwegian EMBASSY
13,420.0	850/50R	Z2D61	Harare, Zimbabwe	FX	1.0	Tfc/Pretoria
13,420.1	CW	CUA69	Lisbon (Alfragide), Portugal	FX	30.0	Tfc
13,420.5	USB	....	unknown	FX	....	Net/RR
13,423.0	425/50R	HMV53	Pyongyang, PDR	FX	....	Tfc
13,423.0	850/50N	JXL	Boevesteraalen, Norway	FX	1.0	Norwegian Navy
13,423.0	850/50N	JXP	Jan Mayen, Norway	FX	1.0	Norwegian Navy
13,423.0	850/50N	JXS2	Oslo, Norway	FX	1.0	Norwegian Navy
13,423.0	USB	....	Norwegian Sea & North Atlantic	FX	....	USCG (Includes: Ocean LORAN Net DML, Syla, GFR: JXL, B0, Norway JXP, Jan Mayen Is.; NMS, Shetland Is.; OUN, Ejde, Denmark; OVY, Angissoq, Greenland; TFR, Sandur, Iceland & TFR2, Reykjavik, Iceland)
13,425.0	CW	TRIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
13,425.0	425/50Rc	UVD2	Magadan, USSR	FX	5.0	Tfc/Vladivostok
13,425.0	425/50R	RTJ	Vladivostok, USSR	FX	15.0	Tfc/Magadan
13,427.0	USB	TTT234	N'Djamena, Chad	FX	2.0	Telcom
13,427.5	USB	WEK53	New York, NY	FX	20.0	Telcom
13,427.5	USB	....	Paris, France	FX	....	Telcom
13,430.0	850/50N	P2A2	Port Moresby, Papua New Guinea	FX	0.4	Tfc/Townsville
13,430.0	425/75R	RRC61	Moscow, USSR	FX	15.0	APN Nx GG 1100 [Beamed to Europe]
13,430.0	850/50R	Z2A	Harare Aeradio, Zimbabwe	AX	4.0	Tfc/Jo'Burg
13,431.2	USB	T"XS"	unknown	FX	....	Net Control
13,433.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
13,433.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY [Alt: 10,885.0 & 13,913.0]
13,434.0	LSB	WEK53	New York, NY	FX	20.0	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
13,434.0	piccolo	....	unknown	FX	....
13,435.0	850/50N	CTU73	Monsanto Naval, Portugal	FX	10.0	Port. Navy
13,435.0	850/50N	9VF81	Singapore	FX	2.5	Meteo
13,436.0	425/50N	Y7A53	Berlin (Konigs Wusterhausen), GDR	FX	5.0	ADN
13,438.0	850/50N	DFN43	Bonames, GFR	FX	20.0	
13,440.0	F7B	RGD24	Moscow, USSR	FX	20.0	
13,440.0	LSB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF/VIP a/c
13,440.0	425/50R	YZJ5	Belgrade, Yugoslavia	FX	30.0	TANJUG
Nx RR 1200-1250 (For Mongolia)						
Nx EE 1300-1400 (Not on Sundays)						
[Beamed to the Far East]						
13,442.0	CW	OVG2	Frederikshaon Naval, Denmark	FX	....	Danish Marine
13,442.0	USB	....	unknown	FX	....	NUMBERS/EE/YL
13,445.0	850/50N	9VE40	Singapore Aeradio	AX	3.0	Tfc/Jakarta
13,447.0	425/50N	4XM4	Bet Dagan, Israel	FX	2.0	[LLBD] Meteo
13,450.0	850/....	....	unknown	FX	....
13,450.0	CW	....	unknown	FX	....	Coded Tfc
13,450.2	170/50R	....	unknown, very probably in Argentina	FX	....	Commercial Tfc
13,452.0	850/....	....	unknown	FX	....
13,455.0	CW	....	unknown	FX	....	Coded Tfc
13,455.0	USB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF/VIP a/c
13,455.0	425/90N	....	unknown	FX	....
13,457.0	425/75R	4UZ	Geneva, Switzerland	FX	20.0	UN
13,457.5	425/50R	CNM49	Rabat (Tangier), Morocco	FX	10.0	
13,458.0	850/50R	TUR5131	Abidjan, Ivory Coast	FX	1.0	Tfc/Libreville
13,460.0	USB	....	Riyadh, Saudi Arabia	FX	....	Feeder
13,460.0	425/75Rc	RCK71	Novosibirsk, USSR	FX	20.0	APN Nx RR
13,460.0	FLB	UHY	Tiksi, USSR	FX	....	clg ULV
13,462.0	425/50N	VNA7	Hanoi, Vietnam	FX	....	VNA Nx EE 1445-1700
[Non-directional]						
13,465.0	850/50N	9VF82	Singapore	FX	3.0	Nx
13,466.0	USB	VYG99	Brevoort Island, NWT, Canada	FX	0.5	Tfc/Frobisher
13,466.0	USB	XOT354	Frobisher, NWT, Canada	FX	1.0	Tfc/Brevoort
13,466.0	USB	....	unknown, probably in Atlantic Ocean	FX	....	SEDCO Oil Rigs
13,470.0	850/50R	RKU71	Moscow, USSR	FX	20.0	
13,471.5	850/....	....	numerous, worldwide	FX	....	USN
13,472.5	FLB	†FTN47	Paris (Vernon), France	FX	20.0	AFP
13,473.0	FAX	AF4	Washington (Andrews AFB, MD), DC	FX	10.0	USAF
13,474.0	...	CLN404	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
13,474.0	LSB/USB	....	Gibraltar	FX	....	RAF Telcom
13,480.9	425/50R	RPTI	Ponta Delgado Naval, Azores	FX	....	Port. Navy
13,482.0	B9W	†VPC	Port Stanley, Falkland Islands	FX	7.5	Telcom/Tfc
13,482.0	425/50R	ISX82	Rome, Italy	FX	10.0	
[Beamed to North Africa & the Middle East]						
13,482.0	425/50N	unknown	unknown	....	DPA/Nx/EE 1600-1900	
13,482.0	CW	MLU	Gibraltar	FX	....	RAF
13,483.5	USB	....	numerous, worldwide	FX	....	USN MARS
13,484.0	850/....	....	numerous, Pacific Ocean area	FX	....	USN
13,485.0	850/50N	WKB53	Slidell, LA	FX	10.0	Tfc/Havana
13,485.1	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
13,486.0	LSB	....	Riyadh, Saudi Arabia	FX	....	Feeder
13,487.5	425/50R	ISX35	Rome (Torrenova), Italy	FX	10.0	ANSA Nx FF
(Sundays, only) 1800-1830 & 2000-2100 (Not on Sundays)						
ANSA Nx EE 1800-1900						
(Not on Sundays) [Beamed to the Middle East]						
13,490.0	USB	OZU25	Copenhagen, Denmark	FX	1.5	EMBASSY (Also
used by OZU30, Cairo, Egypt; OZU33, Tel Aviv, Israel;						
OZU34, Jeddah, Saudi Arabia; OZU35, Beijing, PRC; OZU38						
Lagos, Nigeria & OZU39, Nairobi, Kenya) [Alt: 16,400.0]						
13,490.0	425/50R	CNM52	Rabat (Tangier), Morocco	FX	10.0	
13,490.0	425/50R	RCG77	unknown	FX	....	Bakhtar Nx EE
(Not on Saturdays) 0415-0545						
13,491.0	850/50N	4MT2	Maiquetia Aeradio, Venezuela	FX	1.0	
13,492.0	850/50N	9VF83	Singapore	FX	5.0	
13,493.0	LSB	†....	Greenville, NC	FX	40.0	VOA Feeder
13,495.1	850/....	....	unknown	FX	....
13,496.1	425/50N	....	possibly Bangkok, Thailand	FX	....	Indian EMBASSY
13,498.0	*425/50R	SON249	Warsaw, Poland	FX	20.0	
13,501.5	*USB	PMW2	Warsaw, Poland	FX	0.4	Cairo/Prague
13,502.5	piccolo	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
13,503.5	USB	ZFD62	Hamilton, Bermuda	FX	30.0	Emergency
13,504.0	525/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
13,504.7	Piccolo	....	unknown	FX	....
13,505.0	425/50R	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
13,505.0	LSB	....	Funchal Naval, Madeira			Telcom
13,505.0	USB	....	unknown	FX	....	FF
13,505.0	425/75R	....	unknown	FX	....	Coded Tfc
13,506.0	425/50R	BAK63	Beijing, PRC	FX	50.0	XNA
[Beamed to eastern North America]						
13,506.8	170/ARQ	....	Madrid, Spain	FX	....	Egyptian EMBASSY
13,507.5	425/50N	RPTA	Funchal Naval, Madeira Islands	FX	....	Port. Navy
13,510.0	FAX	CFH	Maritime Command, Halifax, NS, Canada (Canadian Forces)	FX	10.0	Meteo/Sea-sonal ice at 0000, 1300 & 2200 + test charts, analysis & prognosis
13,510.0	850/75R	CFH	Maritime Command, Halifax, NS, (NOAA reports wx forecasts at 0100, 0333, 0630, 1233, 1400, 1630, 1922 & 2340)	FX	10.0	C. Forces/Meteo
13,510.0	170/75RR	CFH	Maritime Command, Halifax, NS, Canada	....	
13,511.8	CW	....	unknown	FX	....	Indonesian EE Nx
13,512.0	USB	DFN51	Frankfurt, GFR	FX	....	DW Feeder
13,512.0	425/50R	HMS12	Pyongyang (Busong), North Korea	FX	Y44.	KCNA Nx EE
0300-0500 & 2200-0100						
[Beamed to Southeast Asia]						
13,515.0	850/50N	LRN22	Buenos Aires, Argentina	FX	20.0	SAPORITI Nx SS
1200-1300 & 2130-2300 [Beamed to Central America]						
13,516.0	425/50R	CLN405	Havana (Bauta), Cuba	FX	20.0	
13,516.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
13,516.0	CW	RLU8	Tiksi Bukhta, USSR	FX	....	Tfc
13,520.0	CW	OWS3	Copenhagen, Denmark	FX	0.4	INTERPOL
13,520.0	CW	OGX	Helsinki, Finland	FX	....	"
13,520.0	170/50N	FSB72	Paris (St. Martin Abbat), France	FX	1.5	"
13,520.0	CW	8UF75	New Delhi, India	FX	5.0	"
13,520.0	*170/75N	JPA61	Nagoya (Komaki), Japan	FX	10.0	"
13,520.0	CW	CJS26	Lisbon, Portugal	FX	1.0	"
13,520.0	170/50N	HEP27	Zurich (Waltikon), Switzerland	FX	3.0	"
[Alt: 13,820.0]						
13,520.0	850/50R	3MA98	Tienmu, Taiwan	FX	20.0	Tfc/San Francisco
13,520.0	850/....	...	numerous, worldwide	FX	....	USN
13,520.1	425/50R	BJZ	Wuhan, PRC	FX	....	Meteo
13,522.0	F7B	BAX64	Beijing, PRC	FX	40.0	Tfc/Paris
13,523.0	850/50N	†CCS	Santiago Naval, Chile	FX	....	Chilean Navy
13,524.0	425/50R	CME402	Havana, Cuba	FX	1.0	Congo EMBASSY
13,524.0	170/50R	YI071	Baghdad, Iraq	FX	30.0	INA Nx 1400-1700
(Not on Fridays) [Beamed to Europe & North America]						
13,525.0	CW	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
13,525.0	850/75N	ZKX	Auckland Naval, New Zealand	FX	10.0	RNZ Navy
13,525.0	USB	....	Riyadh, Saudi Arabia	FX	....	Feeder
13,525.6	850/50N	GYU	Gibraltar Naval	FX	5.0	British Navy
13,526.0	*FAX	CCS	Santiago Naval, Chile	FX	....	Chilean Navy
13,527.0	USB	XDA358	Mexico City, DF, Mexico	FX	10.0	Telcom/Havana
13,528.0	CW	"EC4Y"	unknown	FX	....
13,529.0	USB	NBW	NAVCOMMSTA Guantanamo, Cuba	FX	1.0	USN
13,529.0	USB	NQX	NAVCOMMSTA Key West, FL	FX	1.0	USN
[Infrequent use--emergency only]						
13,530.0	850/....	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	10.0	USN
13,530.0	425/50R	BAJ23	Beijing, PRC	FX	15.0	XNA
[Beamed to Indian sub-continent & Sri Lanka]						
13,530.0	850/75Rc	UMS	Moscow Naval, USSR	FX	25.0	USSR Navy
13,530.0	900/50R	RVW53	Moscow, USSR	FX	20.0	Meteo
13,530.5	850/....	NBW	NAVCOMMSTA Guantanamo, Cuba	FX	0.5	USN
13,533.0	F7B	RMV9	Bobruysk, White Russian SSR	FX	60.0	
13,533.4	LSB	....	unknown, possibly South America	FX	....	Telcom/SS
13,535.0	LSB	....	Djanet, Algeria	FX	....
13,535.0	B9W	FTN53	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
13,535.0	B9W	†HLB28	Seoul, South Korea	FX	30.0	Telcom/Tfc
13,537.0	CW	BXM51	unknown	FX	....	PRC EMBASSY
13,537.9	350/50R	Y7A54	Berlin (Konigs Wusterhausen), GDR	FX	5.0	ADN/EMBASSY
13,540.0	F1B	3BN	Port Louis Aeradio, Mauritius	AX	5.0	Tfc/Mahe
13,540.0	425/50R	RCE50	Moscow, USSR	FX	20.0	Bakhtar Nx EE
0415-0545 (Not on Saturdays) [Non-directional]						

kHz	Mode	Call	Location	Service	kW	Remarks
13,540.0	425/75Rc			FX	20.0	Bakhtar Nx RR
13,540.0	425/75R	RCE50	Moscow, USSR	FX	20.0	TASS Nx EE 1000
13,540.0	425/75Rc	RCE50	" "	FX	20.0	APN Nx RR
13,540.0	CW	8UF66	Delhi, India to outstations	FX	....	Government/EE
13,540.5	USB	2ZH77	Harare, Zimbabwe	FX	0.5	British EMBASSY
13,543.0	850/50R	SON254	Warsaw, Poland	FX	20.0	
13,546.0	F7B	UZNT	Tallinn, Estonian SSR	FX	60.0	
13,547.0	USB	AFD3	Pentagon (Ft. Ritchie, MD), VA	FX	1.0	USAF
13,547.0	USB	AFE7	MacDill AFB, FL	FX	1.0	"
13,547.0	USB	AFS	Offutt AFB, NE	FX	1.0	"
13,548.0	CW	....	unknown	FX	....
13,548.5	USB	AZG645	Buenos Aires, Argentina	FX	1.0	Net Control
13,549.0	425/50R	↑ODT	Beirut Aeradio, Lebanon	AX	4.0	Tfc/Vienna
13,549.0	FAX	....	unknown	FX	....
13,550.0	850/50N	ONN33	Brussels, Belgium	FX	0.8	Rumanian EMBASSY
13,550.0	F1B	CME346	Havana, Cuba	FX	1.0	Rumanian EMBASSY
13,550.0	F7B	RBT	Irkutsk, USSR	FX	16.0	TASS
13,550.0	425/50R	RJ078	Moscow, USSR	FX	20.0	
13,551.5	500/50N	....	unknown	FX	....	Coded Tfc
13,552.0	CW	....	Ankara, Turkey	FX	1.0	EMBASSY
13,555.0	CW	CFH	Maritime Command, Halifax, NS, Canada	FX	10.0	Canadian Forces
13,555.0	USB	....	unknown, say: OX CART, MECHANIC, MARKSMAN, PARIS, etc.			
13,556.0	425/50N	FXP97	Papeete Aeradio, Tahiti	AX	3.0	Aero/Meteo
13,558.0	USB	....	Yuma MCAS, AZ	FA/MA	...	McD-Douglas
13,558.0	CW	....	unknown			
13,560.0	425/75R	CLN406	Havana (Bauta), Cuba	FX	50.0	Tfc/Shanghai
13,560.0	CW	BBM	Taipei Naval, Taiwan (NOAA reports wx broadcasts at 0400, 1100, 1600 & 2000)	FX	....	Rep. China Navy
13,560.0	CW	3VA70	Tunis, Tunisia	FX	0.4	EMBASSY
13,563.0	850/50R	3MA22	Taipei, Taiwan	FX	20.0	CNA Nx EE 0230-0330
			(Neither newscast on Sundays) 0930-1030			
			["CEP" Service] (Daily) CNA Nx EE 1330-1430			
			[Beamed to Europe]			
13,565.0	425/50R	RPT36	Tashkent, Uzbek SSR	FX	20.0	TASS
13,565.0	425/50R	CME403	Havana, Cuba	FX	1.0	Congo EMBASSY
13,565.0	USB	FTN56	Paris (St. Assise), France	FX	20.0	Telcom
13,566.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
13,566.0	850/75N	NLX	Sabana Seca, PR	FX	....	USN
13,567.0	F1B	HMF78	Pyongyang (Jungsan), North Korea	FX	5.0	KCNA
			[Beamed to Europe]			
13,568.0	USB	↑....	possibly Djibouti	FX	....
13,568.0	170/50N	DDN2	Pinneberg, GFR	FX	20.0	Meteo
13,570.0	USB	ZLX82	Himatangi Naval, New Zealand	FX	4.0	RNZ Navy
13,572.5	850/75Re	NAU	NAVCOMMSTA San Juan, PR	FX	10.0	USN
13,574.0	850/...e	NAA	NAVCOMMSTA Cutler, ME	FX	10.0	USN
13,574.0	850/...e	NAM	NAVCOMMSTA Norfolk, VA	FX	10.0	USN
13,576.0	425/50N	ATJ64	New Delhi, India	FX	20.0	PTI Nx EE 1230-1300
			[Beamed to Japan]			
13,576.0	CW	"A4I"	unknown	FX	....
13,579.6	FSK	HMS79	Pyongyang (Jungsan), North Korea	FX	5.0	KCNA QRA
13,579.6	525/50R	HMS79	" "	FX	5.0	KCNA Nx EE 0400-0730
			(Not on Sundays) SS 0730-1130			
			EE 2130-2300			
			[Beamed to Central & South America]			
13,579.6		HMS79	unknown		....	EE/SS/Nx
13,580.0	USB	ZLX95	Himatangi Naval, New Zealand	FX	4.0	RNZ Navy
13,580.0	CW	HMS79	Pyongyang (Jungsan), North Korea	FX	5.0	VVV's
13,580.0	FAX	HMS79	" "	FX	5.0	KCNA Nx pics
			0030-1000 [Non-directional]			
			2330-2400 [Beamed to Eastern North America]			
13,580.0	B7W	HBD56	Warsaw, Poland	FX	1.0	Swiss EMBASSY
13,580.0	425/50R	RIC79	Moscow, USSR	FX	20.0	
13,582.0	CW	"EC3Y"	unknown	FX	....	"VVV DE EC3Y"
13,582.4	850/...e	....	unknown	FX	....
13,583.0	425/50R	....	unknown	FX	....
13,585.0	USB	GAB33	London (Rugby), England	FX	30.0	Telcom/Accra
13,585.0	850/...e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	1.0	USN
13,585.0	425/50R	CNM53	Rabat (Tangier), Morocco	FX	10.0	
13,585.7	850/...e	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
13,585.8	USB	....	unknown	FX	....	Net
13,590.0	850/50N	9VF86	Singapore	FX	3.0	Nx
13,590.0	B9W	RGD23	Moscow, USSR	FX	20.0	R, Moscow Feeder/Tfc
13,590.0	850/...e	....	numerous, worldwide	FX	....	USN
13,592.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
13,593.0	B9W	↑HBE53	Berne, Switzerland	FX	40.0	Tfc
13,596.9	USB	....	unknown	FX	....	Telcom/FF
13,597.0	FAX	JMH4	Tokyo, Japan	FX	5.0	Meteo
13,597.5	425/50R	OLI2	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 0630-0730
						1030-1115
						(These newscasts not on Sundays) 1315-1400
						(Sundays, only) 1630-1730 [beamed to the Middle & Far East]
13,599.0	850/50N	ORI73	Brussels, Belgium	FX	20.0	Tfc/Shanghai
13,600.0 - 13,800.0 kHz — INTERNATIONAL BROADCASTING (shared)						
13,600.0	425/50R	BBE23	Shanghai, PRC	FX	15.0	Tfc/Rangoon
13,600.0	CW	CAK	Santiago (Los Cerillos AB), Chile	AX	0.4	Chilean AF/
						(NOAA reports wx broadcasts at 0130, 1330 & 2000)
13,600.0	FAX	IMB56	Rome, Italy	AX	1.0	Italian AF/
						Meteo (0600-2030)
13,600.0	550/50R	....	unknown	FX	....
13,600.0	CW	....	In the USA this frequency assigned to radio wave welding			
13,603.0	LSB	FTN60	Paris (St. Assise), France	FX	8.0	Telcom
13,603.0	B8E	6VK413	Dakar, Senegal	FX	6.0	Telcom
13,605.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	....	External Service
13,605.0	AM	ZPG36	Asuncion, Paraguay	FX	0.5	Telcom (Has
						been used for relay of official programs)
13,605.0	*B7W	↑KNY27	Washington, DC	FX	1.0	Swiss EMBASSY
13,607.0	425/50R	BUA21	Wulumuqi, PRC	FX	5.0	XNA
13,607.8	LSB	....	unknown	FX	....	"TESTING"
13,608.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes:
						NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3,
						Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6,
						Marcus Is.; NRV7, Yap Island) [Alt: 11,606.0 & 15,875.0]
13,609.0	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,609.4	LSB	....	unknown	FX	....	Telcom/FF
13,609.7	425/50R	3VF40	Tunis, Tunisia	FX	....	TAP Nx AA 1100-1300
						EE/FF 1300-1500
						(No newscasts on Sundays) [Non-directional]
13,609.8	425/50R	....	unknown	FX	....	Tfc in AA
13,610.0	170/75R	....	Northwest Pacific LORAN Net	FX	....	USCG (see
						13,608.6 for list of stations)
13,610.0	170/75R	ADG20	Pusan, South Korea	FX	1.0	USCG
13,610.0	F7B	REM52	Nikolayev, Ukrainian SSR	FX	50.0	
13,610.0	425/50R	RIC78	Moscow, USSR	FX	20.0	
13,610.5	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,612.6	170/75Ne	GZU	Portsmouth Naval Air, England	FX	....	British Navy
13,615.0	425/50R	ZEN62	Cape D'aguiar, Hong Kong	FX	3.0	AFP Nx FF 0230-0300
						("Emission Express Nuit")
						Nx FF 0800-0900
						1000-1200
						("Emission ASO") [Non-directional]
13,615.9	CW	SON261	Warsaw, Poland	FX	20.0	PAP Nx 1800-1900
						(To Fishing Fleet)
13,615.9	425/50R	SON261	Warsaw, Poland	FX	20.0	PAP Nx 1200-1300
						(General broadcast to Polish ships at sea)
13,616.2	CW	"N5K"	unknown	FX	....	VVV's
13,617.0	*170/75R	OEC44	Tel Aviv, Israel	FX	1.0	Austrian EMBASSY
						[Alt: 10,298.0 & 14,480.0]
13,617.0	*170/75R	OEC57	Pretoria, RSA	FX	1.0	Austrian EMBASSY
						[Alt: 10,422.5]
13,618.6	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,620.0	170/ARQ	PCW1	The Hague, Netherland	FX	1.0	EMBASSY
13,620.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,620.4	250/...e	....	unknown	FX	....	Idling
13,623.8	525/75Rc	....	unknown	FX	....
13,624.0	.....	GPP33B	London (Oxford), England	FX	75.0	REUTERS
13,624.0	850/75N	WBR70	Miami Aeradio, FL	AX	15.0	Meteo
13,625.6	.....	↑GPP33	London (Oxford), England	FX	75.0	REUTERS

kHz	Mode	Call	Location	Service	kW	Remarks
13,626.7	B9W	....	unknown	FX	....
13,627.1	FAX	DGM62	Quickborn, GFR	FX	....	Meteo
13,627.5	FAX	KVM70	Honolulu Aeradio, HI	AX	10.0	Meteo (1900-2045)
13,628.5	425/100R	OEM63	Vienna Aeradio, Austria	AX	5.0	Aero/Meteo
13,630.0	250/50Rc	....	unknown, probably in USSR	FX	....
13,630.0	USB	KEM80	Washington, DC	FX	....	FAA HQ
13,630.0	USB	KDM50	Atlanta (Hampton), GA	FX	....	FAA
13,630.0	USB	....	several, USA nationwide such as "Dragnet" etc.)	FX	....	FAA (Code names [Alt: 8125.0 & 16,348.0])
13,630.0	170/75R	....	unknown	FX	....
13,631.5	375/....	....	unknown	FX	....
13,633.0	425/....	....	unknown	FX	....
13,635.0	425/50Rc	SON263	Warsaw, Poland	FX	20.0	PAP
13,635.0	USB	KDM50	Atlanta (Hampton), GA	FX	....	FAA
13,636.0	850/....	FUV	Djibouti Naval, Djibouti	FX	2.5	French Navy
13,636.0	850/....	FUB	Paris (Houilles) Naval, France	FX	5.0	" "
13,636.0	850/....	FUF	Fort de France Naval, Martinique	FX	2.5	" "
13,636.0	850/....	FUM	Papeete Naval, Tahiti	FX	2.5	" "
13,636.0	CW	"C"	unknown	RC	....	Beacon
13,636.5	CW	"P"	unknown	RC	....	Beacon
13,637.0	CW	"F"	unknown	RC	....	Beacon
13,640.0	USB	VLN63	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom
13,640.5	425/50R	6VU72	Dakar Aeradio, Senegal	AX	5.0	Tfc/Brazzaville
13,641.5	F7B	BCA25	Shanghai, PRC	FX	15.0	Tfc/Prague
13,643.2	USB	....	unknown	FX	....	Telcom
13,644.5	850/....	....	unknown	FX	....
13,645.0	425/50R	BCC23	Shanghai, PRC	FX	5.0	Tfc/Sydney
13,645.0	LSB	AJE	Croughton (Barford), England [Variable frequency between 13,636.0 & 13,651.0]	FX	4.0	AFRTS Feeder
13,647.5	425/50N	OLI5	Prague, Czechoslovakia	FX	30.0	CTK Nx FF 0800-0900 Nx EE 1130-1200 Nx FF 1200-1300 Nx EE 1315-1400 (None of the above newscasts on Sundays) Nx FF 1500-1600 (Sundays, only) Nx FF 1600-1700 [Beamed to Africa & the Middle East]
13,648.5	525/....	....	unknown	FX	....
13,650.0	425/50R	....	Algiers, Algeria	FX	50.0	APS [Beamed to Cuba]
13,650.0	425/50R	CLN408	Havana (Bauta), Cuba	FX	30.0	Tfc/Sofia
13,653.0	350/50R	SUA50	Cairo, Egypt	FX	15.0	MENA Nx EE/FF 0700-2400
13,655.0	850/50N	7RQ20	Algiers, Algeria	FX	...	EMBASSY
13,655.0	850/50N	....	Athens, Greece	FX	....	Algerian EMBASSY
13,655.0	CW	NMO	COMMSTA Honolulu, HI	FX	10.0	USCG/NERK/NUKO Wx broadcasts at 0100, 0400, 0700, 1300 & 2000
13,655.0	850/50N	7RP90	Madrid, Spain	FX	....	Algerian EMBASSY
13,657.0	FAX	†DDH8	Pinneberg, GFR	FX	20.0	Meteo
13,657.0	425/50N	DDH8	" "	FX	20.0	Meteo
13,657.0	*425/50N	DDJ	Frankfurt (Usingen), GFR	FX	20.0	Meteo
13,657.0	CW	IDR5	Rome Naval, Italy	FX	15.0	Italian Navy
13,657.5	CW	DFN65	Quickborn, GFR	FX	....	METEO
13,658.0	650/....	....	unknown	FX	....	Idling
13,658.5	USB	CME398	Havana, Cuba	FX	0.5	British EMBASSY
13,660.0	425/50R	BAB92	Beijing, PRC	FX	25.0	
13,660.0	CW	6XH57	Antananarivo, Madagascar	FX	1.2	Tfc/Dakar
13,662.1	850/....	....	unknown	FX	....
13,665.5	USB	....	Mediterranean LORAN Net AOB50, Estartit, Spain; NCI, Sellia Marina, Italy; NCI3, Lampedusa, Italy; NCI4, Kargaburun, Turkey and NCI10, Rhodes) [Alt: 10,958.5 & 15,723.0]	FX	....	USCG (Includes:
13,665.5	425/50R	6VU73	Dakar Aeradio, Senegal	AX	5.0	[DAA] Meteo
13,666.0	USB	3DN	Nandi Radio, Fiji	AX	1.0	Tfc/Niue
13,667.5	FAX	6VU73	Dakar, Senegal	FX	5.0	Meteo
13,670.0	425/50R	RVW52	Moscow, USSR	FX	15.0	TASS
13,673.5	USB	VLB	Canberra, ACT, Australia	FX	1.0	EMBASSY
13,675.7	CW	....	unknown	FX	....
13,676.0	....	....	unknown	FX	....
13,676.0	CW	....	unknown	FX	....
13,678.5	USB	NGD	McMurdo Station, Antarctica	FX	1.0	NSF/USN

kHz	Mode	Call	Location	Service	kW	Remarks
13,680.0	850/....	....	several, worldwide	FX	....	USN
13,682.1	850/....	....	unknown	FX	....	Idling
13,683.0	850/75N	NGD	McMurdo Station, Antarctica	FX	....	NSF/USN
13,685.0	USB	FZC36	Cayenne, Guiana	FX	20.0	Telcom
13,685.0	850/57	"JGET"	Indian Army Eastern Command	FX	....	all msg ZNL JGEMB
13,685.0	CW	"227"	unknown	FX	....	French EMBASSY
13,685.0	425/....	....	unknown	FX	....	Idling
13,685.8	600/50N	"JGJG"	unknown, somewhere in India	FX	....	Indian Army
13,688.0	B8E	ZEN63	Cape D'aguilar, Hong Kong	FX	8.0	Telcom
13,688.0	...	...	...	..	....
13,690.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
13,690.8	350/....	....	unknown	FX	....	Idling
13,695.0	CW	ONN38	Brussels, Belgium	FX	0.1	Swiss EMBASSY
13,695.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	10.0	British Navy
13,695.0	425/50R	Y3D4	Berlin (Nauen), GDR	FX	5.0	DP
13,695.8	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
13,698.0	425/75N	SNN299	Warsaw, Poland	FX	....	EMBASSY
13,700.0	USB	PUZ4	Brasilia Aeradio, Brazil	AX	1.0	Governmental
13,700.0	425/75R	CME364	Havana, Cuba	FX	1.0	PRC EMBASSY
13,700.0	AM	....	unknown	FX	....	NUMBERS/OM/KK/5
13,702.4	425/75R	BXM72	unknown	FX	....	PRC EMBASSY
13,702.7	900/45Rc	....	unknown	FX	....
13,704.8	600/....	....	unknown	FX	....	Idling
13,707.0	850/50R	TAG	Istanbul, Turkey	FX	20.0	Tfc
13,707.2	FAX	RXA77	Alma Ata, USSR	FX	20.0	Meteo
13,707.2	425/50R	RXA77	" " "	FX	20.0	Meteo
13,710.0	F1B	CLN409	Havana (Bauta), Cuab	FX	30.0	Tfc/Prague
13,710.0	USB	↑RGD22	Moscow, USSR	FX	80.0	R. Moscow Feeder
13,710.0	LSB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF/VIP a/c
13,713.8	1000/....	....	unknown	FX	....
13,715.0	425/50R	UGE2	Bellingshausen, South Shetland Is.	FX	....	USSR
13,715.0	425/75N	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
13,715.0	425/50R	BCD22	Shanghai, PRC	FX	15.0	Tfc/Jakarta
13,718.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
13,720.0	B8E	↑RIC77	Moscow, USSR	FX	....	Telcom
13,725.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....	External Service
13,729.0	425/50R	HMV48	Pyongyang, North Korea	FX	....	Tfc
13,729.3	350/50N	FPN72/H1	Paris (St. Assise), France	FX	5.0	AFP Nx FF 1700-1800
			("Afrigascar Service")			[Beamed to Africa]
13,729.7	350/50N	FPN72/H3	Paris (St. Assise), France	FX	5.0	AFP Nx EE 1700-1900
			("Africa Beams Service")			[Beamed to Africa]
13,730.0	USB	VKI	Perth, WA, Australia	FX	1.0	Police (Also:
			VKA, Adelaide; VKC, Melbourne; VKG, Sydney; VKM, Darwin;			VKR, Brisbane; VKT, Hobart & VKX, Canberra)
			(May be referred to as Channel 6)			
13,730.0	850/50R	....	unknown	FX	....
13,734.0	425/50R	5YD7	Nairobi Aeradio, Kenya	AX	3.0	[KVA] Tfc/Ethiopia
13,737.5	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army/NATO
13,739.0	850/50N	EBK	Las Palmas Naval, Canary Islands	FX	....	Spanish Navy
13,739.0	F7B	Y3D3	Berlin (Nauen), GDR	FX	20.0	Tfc/Hanoi
13,740.0	850/50R	XVB51	Hanoi, Vietnam	FX	5.0	Tfc/Beijing
13,740.0	425/75N	....	unknown	FX	....	Coded Tfc
13,742.0	B9W	AFEB3	Ascension Island	FX	20.0	USAF
13,742.8	500/50N	HSD36	Bangkok Aeradio, Thailand	AX	2.5	[DBA] Tfc/Dhaka
13,745.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....	External Service
13,745.0	425/75Rc	....	unknown	FX	....
13,748.0	850/75Rc	....	unknown	FX	....
13,749.0	425/50R	5YD7	Nairobi Aeradio, Kenya	AX	3.0	[KSA] Tfc/Khartoum
13,750.0	B8E	NAW31	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom
13,750.0	*170/75Rc	RXO	Warsaw, Poland	FX	0.5	Russian EMBASSY
13,751.9	425/50N	HZJ	Jeddah Aeradio, Saudi Arabia	AX	....	FOXES
13,751.9	425/50N	"JH"	Jeddah, Saudi Arabia	FX	....	"Monitoring 9234"
13,755.0	850/50N	LRB75	Buenos Aires, Argentina	FX	....	SAPORITI
13,756.0	USB	....	"ABNORMAL", Vandenburg AFB, CA	FX	....	USAF/WTSC
13,759.0	USB	NAW37	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom
13,760.0	B8E	FZF37	Fort de France, Martinique	FX	20.0	Telcom
13,761.0	170/50N	"PSA"	unknown	FX	....	RYRY
13,765.1	425/50R	JAM33	Tokyo, Japan	FX	10.0	Diplomatic Infor-
						mation Service 0900-1100
13,765.2	USB	NAW36	NAVCOMMSTA Guantanamo, Cuba	FX	....	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
13,766.0	FAX	....	Pyongyang, North Korea	FX	....	KCNA Nx
13,766.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx 0500-0800
13,768.5	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,768.5	USB	PCW11	Bangkok, Thailand	FX	1.0	Dutch EMBASSY
13,770.0	425/75N	....	Porol Union, Philippines	FX	50.0	USIA Nx EE/FF
0745-1430 ("Southeast Asia File")						
13,770.0	425/75N	....	Tangier, Morocco	FX	35.0	USIA Nx EE
0800-1330 ("African File")						
2215-0745 ("Near East/South Asia File")						
13,770.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,770.0	425/75N	PCW11	Bangkok, Thailand	FX	1.0	Dutch EMBASSY
13,772.3	170/ARQ	....	unknown	FX	....
13,773.0	FAX	ZRO3	Pretoria, RSA	FX	5.0	Meteo (0300-1730)
13,775.0	B9W	VER	Ottawa, Ont., Canada	FX	10.0	Canadian Forces
13,775.0	425/50Rc	RVV	Irkutsk, USSR	FX	20.0	APN Nx RR
13,775.0	USB	...	unknown, uses calls TL, IX, IO	FX	....	NUMBERS/GG/YL
13,775.5	850/75N	KWS78	Athens, Greece	FX	....	USA EMBASSY
13,776.9	425/75N	ZRO3	Pretoria, RSA	FX	5.0	Meteo (NOAA re-
ports wx forecasts at 0840 & 1440)						
13,779.0	425/50N	BCA95	Shanghai, PRC	FX	40.0	Tfc/CLN320
13,779.7	FSK	HME28	Pyongyang (Jungsan), PDR Korea	FX	20.0	VVV's
13,779.7	425/50R	HME28	" "	FX	20.0	KCNA Nx EE 0400-0530
[Beamed to Europe]						
13,779.7	425/50Rc	HME28	Pyongyang (Jungsan), PDR Korea	FX	20.0	Nx RR 0630-0830
[Beamed to Europe]						
13,779.7	425/50R	HME28	Pyongyang (Jungsan), PDR Korea	FX	20.0	Nx EE 0830-1000
[Beamed to Africa]						
13,779.7	425/50Rc	HME28	Pyongyang (Jungsan), PDR Korea	FX	20.0	KCNA Nx RR 1230-1430
1500-1730						
[Beamed to Europe]						
13,779.7	425/50R	HME28	Pyongyang (Jungsan), PDR Korea	FX	20.0	KCNA Nx FF 1800-2100
(Not on Sundays) [Beamed to Europe]						
13,780.0	425/50Rc	RCE28	Moscow, USSR	FX	....	RYRY//RCR51
13,781.0	CW	Z2A	Harare Aeradio, Zimbabwe	AX	1.5	
13,781.1	850/75N	....	unknown	FX	....	Aero/Meteo
13,784.2	600/50Rc	....	unknown, probably in Far East	FX	....
13,785.0	425/50R	Y3D4	Berlin (Nauen), GDR	FX	5.0	DP
13,786.0	CW	....	unknown	FX	....	Coded Tfc
13,786.5	USB	Z2H26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
13,788.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
13,788.0	425/75N	Z2H26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
13,789.0	425/50R	BC123	Shanghai, PRC	FX	10.0	Tfc/Irkutsk
13,791.2	425/50N	BPL66	Beijing, PRC	FX	10.0	XNA Feeder
13,793.0	CW	SON279	Warsaw, Poland	FX	20.0	PAP Nx 1400-1500
[To Fishing Fleet]						
13,793.0	425/50R	SON279	Warsaw, Poland	FX	20.0	PAP Nx EE 1100-1130
1700-1730						
[Beamed to the Middle East]						
PAP Nx Polish 1200-1300						
[Beamed to ships in the South Atlantic Ocean]						
13,793.0	CW	SON279	Warsaw, Poland	....	PAP/Nx Polish 1400-1500	
13,794.0	425/50N	FXG73	Le Raizet Airport, Guadeloupe	AX	5.0	Tfc/Cayenne
13,795.2	750/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	....	[RMA] Aero/Meteo
13,797.0	B8E	C5B64	Banjul, Gambia	FX	3.5	Telcom
13,797.0	AM	....	UTVAP REYKJAVIK, Iceland	BC	....	To Fishermen
13,798.0	425/50R	YON27	Bucharest (Racari), Rumania	FX	5.0	Tfc/Beijing
13,798.1	CW	....	unknown, but stron			
13,799.0	B8E	ODL79	Beirut, Lebanon	FX	5.0	Telcom/Tfc
13,800.0 - 14,000.0 kHz — FIXED SERVICE (Worldwide)						
13,800.1	425/...e	....	unknown	FX	....	Idling
13,803.0	1000/50R	RCR78	Khabarovsk, USSR	FX	5.0	Meteo
13,807.0	425/50R	BAL24	Beijing, PRC	FX	15.0	Tfc/EUR
13,807.5	FAX	NPN	Barraigada (Agana NAS), Guam	FX	15.0	USN/Meteo
13,807.5	B8E	1PCK93	Hilversum (Kootwijk), Netherlands	FX	30.0	Telcom/Feeder
13,809.0	850/75Ne	GYU	Gibraltar Naval	FX	7.0	British Navy
13,810.0	850/50N	9VF88	Singapore	FX	2.0	
13,810.0	850/...e	AOK	NS Rota, Spain	FX	1.0	USAF/USN

kHz	Mode	Call	Location	Service	kW	Remarks
13,812.0	USB	....	several, in Caroline Islands	AX	....	Aero Tfc
13,812.0	850/...e	FUX	Le Port Naval, Reunion	FX	....	French Navy
13,812.0	CW	....	unknown	FX	....	Net
13,814.0	850/50Nc	....	unknown	FX	....
13,815.0	CW	KRH50	London, England	FX	1.0	USA EMBASSY
13,815.0	*170/50N	SFL	Stockholm, Sweden	FX	1.0	Turkish EMBASSY
13,815.6	850/50	CXR	Montevideo Naval, Uruguay	FX	....	Uruguayan Navy
13,817.0	F1B	HB073	Geneva, Switzerland	FX	30.0	Tfc
13,820.0	CW	OW33	Copenhagen, Denmark	FX	0.4	INTERPOL
13,820.0	170/50N	†....	Helsinki, Finland	FX	1.0	INTERPOL
13,820.0	170/50N	†FSB74	Paris (St. Martin Abbat), France	FX	1.5	"
13,820.0	CW	8UF75	New Delhi, India	FX	5.0	"
13,820.0	*170/50N	†JPA58	Nagoya (Komaki), Japan	FX	10.0	"
13,820.0	170/50N	CSJ26	Lisbon, Portugal	FX	1.0	"
13,820.0	170/50N	†SHX	Stockholm, Sweden	FX	1.0	"
13,820.0	USB	RVW55	Moscow, USSR	FX	20.0	Feeder for RADIO ORBITA-4
13,820.0	170/...e	....	unknown	FX	....
13,820.0	170/ARQ	....	unknown repeats MLVH or MLH	FX	....	INTERPOL
13,826.0	USB	....	numerous	FX	....	USN/MARS
[Alt: 16,300.0 & 20,998.5]						
13,826.5	425/75R	CLN411	Havana (Bauta), Cuba	FX	100.0	Tfc/Pyongyang
13,826.5	USB	TUP38	Abidjan, Ivory Coast	FX	....	VM
13,828.0	B8E	9JA56	Lusaka, Zambia	FX	10.0	Telcom/Luanda
13,828.0	425/75Rc	....	unknown	FX	....
13,828.6	USB	KAA60	Grand Island, NE	FX	1.0	FCC
13,829.6	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
13,830.0	425/45Ne	KAA60	Grand Island, NE	FX	2.5	FCC
13,830.0	425/ASCI	KAA60	" " "	FX	2.5	FCC
13,830.0	CW	....	unknown	FX	....	Coded Tfc
13,830.5	850/...e	....	unknown	FX	....
13,833.0	USB	....	numerous, in WA, Australia	FX	....	Commercial Tfc
13,834.0	USB	FZF38	Port de France, Martinique	FX	20.0	Telcom
13,834.0	425/75Rc	....	unknown	FX	....
13,837.2	850/50R	....	Kalimantan, Borneo	FX	....	Commercial Tfc
13,842.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
13,842.0	850/...e	....	unknown	FX	....
13,842.5	CW	FDC23	Achern Air, GFR	FX	....	French AF
13,843.0	850/50N	WFK93	New York, NY	FX	50.0	ANSA Nx SS 1700-2400
[Beamed to Central & South America]						
13,844.5	425/...e	....	unknown	FX	....	Idling
13,847.0	850/50N	9VH89	Singapore	FX	5.0	
13,847.0	425/50R	RCD39	Moscow, USSR	FX	15.0	
13,849.2	170/50N	AZG572	Buenos Aires, Argentina	FX	....	Commercial Tfc
13,850.0	425/50R	CLN414	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
13,850.0	CW	ETM85	Addis Ababa, Ethiopia	FX	1.0	Vietnam EMBASSY
13,850.0	425/50R	4XA83	Tel Aviv, Israel	FX	20.0	[IRS] Tfc/Moscow
13,850.0	850/...e	NPO	NAVCOMMSTA Luzon, Philippines	FX	5.0	USN
13,853.0	850/50Nc	....	unknown	FX	....
13,854.2	USB	....	unknown	....	....	Telcom
13,855.0	*FAX	OXT	Skamlebaek Radio, Denmark	FX	20.0	Danish Marine
Meteo (1220-1240; 1310-1330 & 1805-1825)						
13,858.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	....	USAF/NASA
13,860.0	170/75R	BCD26	Shanghai, PRC	FX	50.0	Tfc/Khartoum
13,860.0	B8E	....	Dixon, CA	FX	50.0	VOA Feeder
13,862.5	*FAX	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	15.0	USN Meteo
13,862.5	B8E	TUP38	Abidjan, Ivory Coast	FX	20.0	Telcom
13,865.0	425/50R	RUZU	Molodezhnaya Base, Antarctica	FX	....	Testing into collective
13,865.0	USB	....	numerous, throughout Australia	FX	....	Commercial Tfc
13,865.0	USB	AJO	Adana AS, Turkey	FX	....	USAF
13,869.0	425/50N	JXZ	Oslo (Kolsaas), Norway	FX	....	Norwegian Army
13,870.0	425/50R	9UA	Bujumbura Aeradio, Congo	AX	0.5	[BDA] Tfc/Tanzania
13,870.0	850/...e	NPO	NAVCOMMSTA Luzon, Philippines	FX	3.0	USN
13,872.9	CW	....	unknown	....	....	"DTUI PLUS 3"
13,872.9	CW	....	unknown	FX	....	GEOALERT, MAGALERT
13,873.0	425/50R	CNM58	Rabat (Tangier), Morocco	FX	10.0	MAP
[Beamed to South America]						
13,875.0	*B8E	FTN87	Paris (St. Assise), France	FX	20.0	TIME SIGNALS/ Tfc
13,876.2	350/50R	9KT32	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300

kHz	Mode	Call	Location	Service	kW	Remarks
						Nx EE 1600-1800 [Beamed to India & Pakistan]
13,878.0	USB	AGAR25				
13,879.4	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
13,880.2	350/50R	9KT32	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100 Nx AA 1400-1700 [Beamed to India & Pakistan]
13,882.5	FAX	DDK	Quickborn, GFR	FX	....
13,882.5	425/50N	DDK8	Pinneburg, GFR	FX	20.0	Meteo
13,884.0	850/...e	....	unknown	FX	....
13,885.0	F1B	....	Kavalla, Greece	FX	50.0	USIA/VOA
13,888.1	CW	....	unknown	....		"NW ANU"
13,890.0	850/50N	†YVV2	Caracas, Venezuela	FX	5.0	PL
13,890.0	425/100Rc	....	unknown	FX	....
13,890.0	LSB	LRB89	Buenos Aires, Argentina	FX	1.0	Telcom
13,890.5	USB	....	unknown	FX	....	NUMBERS/GG/YL
13,891.0	R3E	CLN413	Havana (Bauta), Cuba	FX	10.0	Mx Mirror
13,894.5	170/75R	DMK26Ø	Warsaw, Poland	FX	0.3	GDR EMBASSY
13,895.0	FAX	Y2V47	Berlin (Nauen), GDR	FX	20.0	ADN
13,895.0	425/50N	Y2V47	" "	FX	20.0	ADN Nx AA 0500-0550 (Not on Sundays) Nx EE 0600-0750 (Not on Sundays) Nx AA 0800-0950 Nx EE 1000-1150 (Not on Sundays) Nx AA 1200-1250 Nx EE 1400-1550 Nx AA 1600-1750 Nx EE 1800-1950 Nx AA 2000-2050 [Beamed to Africa & the Middle East]
13,896.5	LSB	9VE42	Singapore Aeradio	AX	2.5	Tfc/Bangkok
13,898.0	425/50N	IRK28	Rome (Torrenova), Italy	FX	20.0	ANSA Nx EE 1700-1900 (Not on Sundays) [Beamed to the Far East]
13,898.2	FSK	....	unknown	...	....	"IAR 26/27/76
13,900.0	USB	ABNORMAL	unknown	...	....	wkg "FLINT" duplex
13,902.8	USB	....	unknown, probably in Brazil	FX	....	Telcom/PP
13,905.0	425/75R	BXT49	unknown	FX	....	PRC EMBASSY
13,905.6	425/50R	OMA26	unknown, probably in Far East	FX	....
13,906.0	850/50R	BPE39	Beijing, PRC	FX	5.0	
13,907.0	USB	AFH39	March AFB, CA	FX	0.5	USAF
13,907.0	USB	AFC24	Westover AFB, MA	FX	0.5	"
13,907.0	USB	AFS	Offutt AFB, NE	FX	0.5	"
13,909.0	LSB	....	unknown, probably in South America	FX	....	Telcom/SS
13,910.0	LSB	....	unknown	...	....
13,912.0	USB	PGA88	s'Gravenhage, Netherlands	FX	0.4	ICRC
13,913.0	USB	OHU2Ø	Helsinki, Finland	FX	1.0	EMBASSY
13,913.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
13,915.0	170/ARQ	....	Rome, Italy	FX	....	EMBASSY
13,915.0	USB	SAR88	Stockholm, Sweden	FX	1.0	ICRC
			Special Emergency [Alt: 13,965.0, 13,973.0 & 13,997.0]			
13,916.0	F1B	....	Sofia, Bulgaria	FX	....	//16,627.0 & 20,035.0
13,916.4	*LSB	9T02Ø	Kinshasa, Zaire	FX	0.2	Swiss EMBASSY
13,917.5	425/50N	HSF212BK	Bangkok, Thailand	FX	....	EMBASSY
13,920.0	FAX	AXM35	Canberra, ACT, Australia	FX	20.0	Meteo
13,920.0	850/50R	AXM35	" "	FX	20.0	RAAF [AMMM]
			(Scheduled wx broadcasts for 30 minutes after each hour: except 1000, 1100, 1800, 1900, 2000, 2100 & 2200 when period is reduced to 15 min.)			
13,920.0	425/75Rc	RNK39	Moscow, USSR	FX	15.0	APN
13,921.0	USB	AFK	Peterson AFB, CO	FX	1.0	USAF
13,921.0	USB	...	unknown	FX	....	LETTERS/EE/YL
13,923.0	850/75R	ZKX	Auckland, New Zealand	FX	....	FOXES
13,923.7	CW	....	unknown	...	....	"633"
13,924.5	F1B	....	Sofia, Bulgaria	FX	....	EMBASSY
13,925.0	325/50N	Y3D5	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Shanghai
13,927.0	USB	CVF55	Flores, Azores	FX	....	French AF [Missile Range]
13,927.0	USB	....	unknown	FX	....	Tfc/FF
13,927.0	USB	CUW2Ø	Lajes Field, Azores	FX	1.0	USAF [Alt: 13,977.0]

kHz	Mode	Call	Location	Service	kW	Remarks
13,927.6	170/75R	....	numerous, worldwide	FX	....	USN MARS
13,930.0	F7B	RICT6	Moscow, USSR	FX	20.0	
13,931.0	*170/50N	YMS	Warsaw, Poland	FX	0.4	Turkist EMBASSY
13,931.0	USB	....	unknown	....	
13,932.0	425/50R	YON29	Isovoarele, Rumania	FX	3.0	
13,933.3	475/...e	....	unknown	FX	....
13,935.0	CW	....	unknown	FX	....	Coded Tfc 17585 17585
13,936.0	*850/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
13,936.0	425/50N	CLP8	Baghdad, Iraq	FX	....	Cuban EMBASSY
13,936.0	425/75R	RAA57	Magadan, USSR	FX	20.0	TASS Nx AA 1815-2200
						[Beamed to the Middle East]
13,936.2	250/75Re	"CUD31"	unknown	FX	....	wkg "DHO91"
13,936.6	170/ARQ	....	unknown	FX	....	rpts "VSQ"
13,937.5	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army/ NATO
13,939.5	425/50R	ZE066	Cape D'Aguilar, Hong Kong	FX	3.5	Tfc/Pyongyang
13,940.0	CW	LZW	Varna Coastal	....	
13,940.0	850/50N	JAN53	Tokyo, Japan	FX	10.0	
13,941.5	USB	ZE066	Cape D'Aguilar, Hong Kong	FX	3.0	Telcom
13,942.0	*170/50N	YMS	Warsaw, Poland	FX	0.4	Turkish EMBASSY
13,945.0	170/ARQ	ELE13	Harbel, Liberia	FX	15.0	Tfc
13,945.0	CW	3VA30	Tunis, Tunisia	FX	1.0	Tfc
13,945.0	*170/ARQ	WQB23	Akron, OH	FX	15.0	Tfc/Harbel
13,947.0	425/50R	ROM5	Tashkent, Uzbek SSR	FX	80.0	
13,950.0	425/50N	CLN414	Havana (Bauta), Cuba	FX	10.0	Tfc/New Orleans
13,950.0	*425/50R	Y7A55	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN/EMBASSY
13,950.0	B9W	JYA63	Amman, Jordan	FX	3.0	
13,950.0	LSB	AHF4	Albrook AFS, Panama	FX	1.0	USMILGP (At press time also included: AHF1C, Lojac, Ecuador; OAE21 Lima, Peru; YWA6 Caracas, Venezuela; YSLUKE, San Salvador; AFF4, Bergstrom AFB, TX; AFF3, Brooks AFB, TX; HR1MM, Tegucigalpa, Honduras; TI2USA, San Jose, Costa Rica; TDMG3, Guatemala City, Guatemala; ACH54, Haiti; HCUS1, Quito, Ecuador; VPL, Belize City, Belize; etc.) [Alt: 15,675.0])
13,950.0	LSB	A6	unknown, possibly Caracas, Venezuela	....	
13,950.0	LSB	HCUS1	unknown, possibly Ecuador			
13,953.0	375/50R	P6Z	Paris, France	FX	2.0	EMBASSY
13,954.5	*425/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
13,958.9	275/50N	7XA97	Algiers Aeradio, Algeria	AX	....	[DAMM] Meteo
13,960.0	LSB	ROW27	Moscow, USSR	FX	15.0	R. Moscow Feeder
13,960.0	425/50R	ROW27	"	FX	15.0	
13,960.0	425/75R	REM53	Nikolayev, Ukrainian SSR	FX	50.0	TASS
						[Beamed to Africa]
13,960.5	425/50N	....	unknown	FX	....	Meteo
13,961.0	CW	CLP1	Havana, Cuba	FX	....	EMBASSY
13,962.0	USB	PGA88	s'Gravenhage, Netherlands	FX	0.4	ICRC
13,963.0	850/50R	JM13	Tokyo, Japan	FX	5.0	[JMI] Meteo
13,963.0	425/50R	RXA78	Alma Ata, USSR	FX	15.0	Meteo
13,965.0	B8E	CNR28	Rabat, Morocco	FX	20.0	Telcom/Tfc
13,965.0	425/75R	AND8	Madrid, Spain	FX	....	Russian EMBASSY
13,966.0	USB	KUP66	Param, Ponape Island	FX	....	wkg Saipan
13,969.0	170/50*	MKD	Akrotiri, Cyprus	FX	3.5	DCN
13,970.0	USB	PGA88	s'Gravenhage, Netherlands	FX	0.4	ICRC
13,970.0	B8E	CUA70	Lisbon (Alfragide), Portugal	FX	3.0	Telcom
13,971.0	USB	....	several, in Canada & Middle East	FX	....	CARF
			(Reported: VDH9, Alert, NWT, Canada; VXN9, Nicosia, Cyprus; VXV9, Golan Heights, Syria; VET9, Damascus, Syria, etc. Usually phone patches--may be referred to as the "ALFA" frequency) [Alt: 14,445.0]			
13,973.9	425/50R	ISX19	Rome (Torrenova), Italy	FX	5.0	ANSA Nx FF 1800-1830 (Sundays, only) (Not on Sundays) Nx EE 1900-2000 (Not on Sundays) Nx FF 2000-2100 [Beamed to East Africa]
13,974.0	USB	NNN0NRS	Diego Garcia	FX	....	USN/MARS
13,974.0	USB	NNN0ICE	McMurdo Station, Antarctica	FX	....	" "
13,974.0	USB	NNN0KMR	Palmer Station, Antarctica	FX	....	" "
13,974.0	USB	NNN0ICF	Siple Station Antarctica	FX	....	" "
13,974.0	USB	NNN0NWB	South Pole Station, Antarctica	FX	....	" "

kHz	Mode	Call	Location	Service	kW	Remarks
13,974.0	USB	....	numerous, worldwide	FX	....	" "
13,974.4	*LSB	9TO2Ø	Kinshasa, Zaire	FX	0.2	Swiss EMBASSY
13,975.0	525/...e	....	unknown	FX	....
13,976.0	425/50R	RTU45	Moscow, USSR	FX	15.0	Tfc
13,977.0	USB	AGAØHO	Howard AB, Panama	FX	1.0	USAF MARS
13,977.0	USB	RAN	Moscow, USSR	FX	15.0	Telcom
13,977.9	F1B	....	Teheran, Iran	....	....	Meteo
13,979.0	850/...e	....	unknown	FX	....
13,980.0	CW	LCO	Oslo (Jeloe), Norway	FX	20.0	Tfc/Nx/Wx
13,980.0	850/50N	....	unknown	FX	....	FF
13,982.0	CW	....	unknown	FX	....	Text/SS
13,985.0	USB	....	unknown	....	....	Telcom
13,985.2	575/50Rc	....	unknown	FX	....
13,986.0	Piccolo	....	unknown	FX	....
13,986.3	850/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
13,988.0	425/50N	FXC74	Cayenne, French Guiana	AX	5.0	Tfc/Guadeloupe
13,988.1	150/100N	....	unknown	FX	....
13,990.0	F1B	CME323	Havana, Cuba	FX	1.0	Czech EMBASSY
13,990.0	425/45Ne	KOA56	Ferndale, WA	FX	1.0	FCC
13,990.0	425/45Ne	KIA84	Powder Springs, GA	FX	1.0	FCC
13,993.0	USB	....	numerous, USA nationwide	FX	....	USAF MARS (In- cludes: AGA1HA, Hanscom AFB, MA; AGA9EL Elmendorf; AGA2LA, Langley AFB, VA; AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGA5MC, McChord AFB, WA; AGA6TR, Travis AFB, CA; AIR, Pentagon [Andrews, AFB, MD] VA; etc.) [Alt: 13,996.0]
13,995.0	425/75N	....	Monrovia (Careysburg), Liberia	FX	50.0	USIA Nx EE/FF 2330-0530 ("African File")
13,995.0	425/50R	STK7Ø	Khartoum Aeradio, Sudan	AX	2.5	[SKA] Tfc/Nairobi
13,995.3	USB	....	numerous, worldwide	FX	....	US Army/MARS
13,996.0	USB	....	numerous	FX	....	MARS
13,997.0	USB	ETM99	Addis Ababa, Ethiopia	FX	0.6	PDR Yemen EMBASSY
13,997.0	USB	PGA88	s'Gravenhage, Netherlands	FX	0.3	ICRC
13,997.0	USB	SAR88	Stockholm, Sweden	FX	1.0	"
13,997.0	USB	HBC88	Geneva, Switzerland	FX	0.8	"
13,997.6	LSB	....	Monrovia, Liberia	FX	50.0	VGA Feeder
13,998.0	425/50N	FTN99	Paris (Le Vernet), France	FX	10.0	DIPLØ Nx EE/FF/SS 0900-1600
13,998.5	USB	HJC88	Bogota, Colombia	FX	1.0	ICRC
13,998.5	USB	HCR88	Quito, Ecuador	FX	1.0	"
13,999.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN

14,000.0 - 14,250.0 kHz — AMATEUR RADIO (Worldwide)

14,000.0	850/75R	FUØ	Toulon Naval, France	FX	....	French Navy
14,000.2	425/50R	BJZ	Wuhan, PRC	FX	....	Meteo
14,055.0	AM	....	RADIO PYONGYANG, North Korea	BC	....	Svc/Japan/2100-2250
14,110.3	*F1B	....	unknown	....	....
14,119.9	F1B	....	unknown	....	....
14,128.0	F1B	....	unknown	....	....
14,140.0	850/50R	....	Beijing, PRC	FX	2.0	XNA
14,140.7	F1B	....	unknown	....	....
14,159.8	F1B	....	unknown	....	....
14,171.0	CW	UMS	Moscow Naval, USSR	FX	....	Russian Navy
14,171.0	250/75Rc	....	unknown	FX	....	MVOEX UOVRQE
14,184.4	F1B	....	unknown	....	....
14,203.8	F1B	....	unknown	....	....
14,218.5	F1B	....	unknown	....	....
14,220.0	500/75NC	....	unknown	FX	....

14,250.0 - 14,350.0 kHz — AMATEUR RADIO (Shared with PRC, Iran & USSR)

14,277.0	F7B	UØQ3	Samarkand, Uzbek SSR	FX	60.0	
14,280.0	F7B	UZVL	Ulan Kholya, USSR	FX	15.0	
14,284.0	F7B	UKP4	Donetsk, Ukrainian SSR	FX	60.0	
14,292.0	F7B	UCV9	Donetsk, Ukrainian SSR	FX	60.0	
14,312.0	F7B	UJW6	Brest, White Russian SSR	FX	60.0	
14,318.0	F7B	UWWF	Odessa, Ukrainian SSR	FX	60.0	
14,340.7	850/50R	BAA7	Beijing, PRC	FX	5.0	Meteo
14,345.4	850/50	5HD2Ø	Dar es Salaam Aeradio	....	....
14,349.9	525/50R	HMH25	Pyongyang (Jungsan), North Korea	FX	Y47	KCNA Nx FF 1145-1445

KHz	Mode	Call	Location	Service	kW	Remarks
[Beamed to North Africa]						
14,350.0 - 14,990.0 kHz — FIXED SERVICE (Worldwide)						
14,351.5	850/75N	†WFK94	New York, NY	FX	50.0	
14,351.5	850/50N	CVM5	Montevideo, Uruguay	FX	10.0	HX
14,352.0	850/...e	....	unknown	FX	....	Idling
14,353.5	*F1B	†KNY34	Washington, DC	FX	1.0	Swedish EMBASSY
14,354.0	425/50R	XVA90	Hanoi, Vietnam	FX	5.0	Tfc/Calcutta
14,355.0	425/75N	3G5	Algiers, Algeria	FX	....	Czech EMBASSY
14,356.0	425/50N	GFL24	Bracknell, England	FX	5.0	Meteo (cont.)
14,357.4	USB	FTO35	Paris (St. Assise), France	FX	20.0	Telcom
14,357.6	CW	ETN37	Addis Ababa, Ethiopia	FX	0.4	GFR EMBASSY
14,358.2	425/...e	....	unknown	FX	....
14,359.9	170/75Rc	....	unknown	FX	....
14,360.0	F1B	CME324	Havana, Cuba	FX	1.0	Czech EMBASSY
14,360.0	CW	9GV	Accra, Ghana	FX	....	USA EMBASSY
14,360.0	CW	KWS78	Athens, Greece	FX	1.0	" "
14,360.0	CW	KRZ66	unknown	FX	....	" "
14,362.0	850/50R	BZQ41	Wulumuqi, PRC	FX	2.0	XNA
14,362.0	425/50R	S00236	Warsaw, Poland	FX	20.0	PAP Nx EE 1100-1130
(Not on Sundays) [Beamed to the Middle East]						
14,363.0	425/75N	....	unknown	FX	....
14,365.0	A3E	"B-18"	Manama, Bahrain	FX	1.0	Tfc/Islamabad
14,365.0	FAX	BAF8	Beijing, PRC	FX	35.0	Meteo
14,365.0	CW	....	unknown	FX	....	Coded Tfc
14,366.3	B9W	5TN29	Nouakchott, Mauritania	FX	20.0	Telcom/Tfc
14,367.0	850/75R	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
14,367.0	425/50R	BZP54	Wulumuqi, PRC	FX	10.5	XNA Nx EE 1030-1330 Nx EE 1500-1700 [Beamed to Europe]
14,368.0	850/50R	VMA	unknown	FX	....	"GFA QSY"
14,369.0	USB	IFK1	Milan, Italy	FX	1.0	Tfc/Kaduna
14,370.0	LSB	LSE	Buenos Aires, Argentina	FX	0.5	Net Control
14,371.5	850/75Ne	ZLO31	Irirangi Naval, New Zealand	FX	10.0	RNZ Navy
14,372.0	Al*	†....	Beijing, PRC	FX	1.0	XNA
14,372.0	425/50N	HZJ	Jeddah Aeradio, Saudi Arabia	FX	5.0	Tfc/Beirut
14,373.0	170/50R	YIL73	Baghdad, Iraq	FX	30.0	INA Nx EE 1200-1700 (Not on Fridays) [1400-1700 Fridays, only] [Beamed to Southeast Asia]
14,373.0	425/50N	ICG	Milan, Italy	FX	1.0	Tfc/Kaduna
14,374.0	850/50R	8BB	Jakarta Aeradio, Indonesia	AX	....
14,374.0	LSB	5TN	Nouakchott, Mauritania	FX	....	Telcom/Paris
14,374.0	F1B	....	Stockholm, Sweden	FX	....	Bulgarian EMBASSY
14,375.0	425/75Rc	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
14,375.8	B9W	CSZ53	Lisbon Aeradio, Portugal	FX	10.0	Tfc/Santa Maria
14,376.0	425/50Rc	BZT34	Wulumuqi, PRC	FX	10.5	XNA Nx RR 0830-0930 [Beamed to Eastern Europe]
14,377.0	F1B	ASM41	Moscow, USSR	FX	....	Pakistan EMBASSY
14,377.3	425/50R	HGX21	Budapest, Hungary	FX	....	EMBASSY
14,378.6	USB	ICG	Milan, Italy	FX	1.0	Tfc/Kaduna
14,381.4	425/50R	....	Paris, France	FX	....	Pakistan EMBASSY
14,381.5	USB	5TP293	Nouakchott, Mauritania	FX	0.1	GFR EMBASSY
14,383.5	USB	....	numerous, worldwide	FX	....	USN/MARS
14,385.0	USB	....	Bloemfontein, RSA	FX	1.0	Net Control
14,385.0	CW	....	numerous, USA nationwide	FX	....	USN [Reserves]
14,387.0	USB	OMZ30	Prague, Czechoslovakia	FX	4.0	Libyan EMBASSY
14,387.0	425/75R	OMZ30	" "	FX	1.0	Libyan EMBASSY
14,387.1	USB	....	unknown	....	....
14,387.7	85/75R	NSS	NAVCOMMSTA Washington, DC	FX	80.0	USN (MULCAST)
14,388.0	425/75R	CLN441	Havana (Bauta), Cuba	FX	50.0	Tfc/Shanghai
14,388.0	425/50N	RPTA	Funchal Naval, Madeira Islands	FX	....	Port. Navy
14,388.6	USB	ICG	Milan, Italy	FX	1.0	Telcom/Shiroru
14,389.0	USB	....	numerous, worldwide	FX	....	USAF/MARS (Includes: AGA7RM, Rhein-Main AB, GFR; AGA8AN, Andersen AFB, Guam; AGA8HI, Hickam AFB, HI; AGA8JO, Johnston Island; etc.)
14,389.0	USB	AGA7HA	Hahn AB, GFR	....	....
14,390.0	850/50N	ASF23	Karachi, Pakistan	FX	7.5	Tfc
14,390.5	USB	AFA	Pentagon (Andrews AFB, MD), VA	FX	2.0	USAF/MARS

kHz	Mode	Call	Location	Service	kW	Remarks
14,391.0	F1B	IFK2	Milan, Italy	FX	....	SPA/Tfc
14,392.0	525/75N	....	unknown	FX	....	Coded Tfc
14,392.0	425/50R	"KAC"	unknown, probably in Cuba	FX	....
14,392.5	850/75R	....	several, in Pacific Ocean area	FX	....	USAF MARS
14,393.0	850/50N	JAL24	Tokyo, Japan	FX	25.0	
14,394.6	750/50R	70C	Aden Aeradio, PDR Yemen (South)	AX	....	[WEA] Tfc/Cairo
14,394.6	170/50N	....	unknown	FX	....	RYRY
14,395.0	.../75	....	Moscow, USSR	FX	....	Czech EMBASSY
14,395.0	850/75N	†WBK70	Miami Aeradio, FL	AX	15.0	Aero/Meteo
14,397.6	425/75N	"3G5"	El Djazair, ALG	FX	....	Czech EMBASSY
14,398.0	B8E	....	Delano, CA	FX	50.0	VOA Feeder
14,398.0	425/75N	†....	" "	FX	40.0	USIA
14,398.0	425/75N	†....	Dixon, CA	FX	30.0	USIA
14,399.1	170/...e	....	unknown	FX	....
14,400.0	*425/75N	ETN40	Addis Ababa, Ethiopia	FX	1.0	Czech EMBASSY
14,400.0	F1B	NMH	unknown	FX	....	USN
14,400.5	425/75N	"2C6"	Cairo, Egypt	FX	1.0	Czech EMBASSY
14,402.0	475/75R	BXT1	unknown	FX	....	PRC EMBASSY
14,402.0	USB	....	numerous, worldwide	FX	....	US Army/MARS
14,403.0	425/50R	"J5W"	Rabat, Morocco	FX	....	French EMBASSY
14,403.0	CW	WAR	Washington, DC	FX	....	US Army
14,404.9	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
14,405.0	425/75N	CME325	Havana, Cuba	FX	1.0	Czech EMBASSY
14,405.0	USB	....	numerous, throughout Pacific Ocean	FX	....	USAF/MARS (Including
			AGA8HI, Hickam AFB, HI; AGA8PP, Pago Pago, American			
			Samoa; AGA6TR, Travis AFB, CA; etc.)			
14,405.0	425/50R	"K4X"	Tunis, Tunisia	FX	....	French EMBASSY
14,405.0	CW	†RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,405.0	850/45Ne	....	numerous, USA nationwide	FX	....	US Army
14,405.0	F1B	K4X	Tunis, Tunisia	FX	....	French EMBASSY
14,406.0	425/50R	BP131	Beijing, PRC	FX	10.0	XNA
14,406.4	425/50N	Y7B23	Moscow, USSR	FX	....	GDR EMB
14,407.0	425/50	ASP32	Islamabad, Pakistan	FX	....	EMBASSY
14,408.0	LSB	....	numerous, USA nationwide	FX	....	US Army/MARS
14,408.5	425/50N	"J5W"	Rabat, Morocco	FX	....	EMBASSY
14,409.0	CW	Y7B26	unknown	FX	....
14,409.0	CW	Y7B45	unknown	FX	....
14,409.5	425/50R	Y7A56	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
14,409.5	425/50R	Y7B73	Rome, Italy	FX	1.0	GDR EMBASSY
14,410.0	CW	Y7D42	Luanda, Angola	FX	1.0	GDR EMBASSY
14,410.0	CW	Y7B27	Tirana, Albania	FX	....	" "
14,410.0	CW	Y7B37	unknown	FX	....	" "
14,410.0	CW	Y7B73	Rome, Italy	FX	....	" "
14,410.0	CW	Y7D49	Dar es Salaam, Tanzania	FX	....	" "
14,410.0	CW	Y7F47	Baghdad, Iraq	FX	1.0	" "
14,410.0	CW	Y7F59	Tripoli, Libya	FX	1.0	" "
14,410.0	CW	Y7F68	Beirut, Lebanon	FX	1.0	" "
14,410.0	CW	Y7F99	unknown	FX	....	" "
14,410.0	USB	Y7L36	Havana, Cuba	FX	2.0	" "
						[aka CME311]
			[Frequencies may vary slightly depending on QRM]			
14,410.0	F7B	RIZ54	Tashkent, Uzbek SSR	FX	20.0	TASS
14,411.9	425/50N	....	unknown	....	....	GG/EMBASSY
14,412.0	CW	Y7B25	unknown	FX	....
14,412.0	CW	Y7B84	unknown	FX	....
14,413.0	CW	Y7F54	Algiers, Algeria	FX	2.0	GDR EMBASSY
14,413.0	CW	OMZ28	Vienna, Austria	FX	....	" "
14,415.0	USB	†VNJ	Casey Base, Antarctica	FX	10.0	ANARE
14,415.0	850/50N	VNJ	" " "	FX	10.0	"
14,415.0	USB	VLZ	Davis Base, Antarctica	FX	1.0	"
14,415.0	USB	VJM	Macquarie Island, Antarctica	FX	1.5	"
14,415.0	USB	VLV	Mawson Base, Antarctica	FX	5.0	"
14,415.0	USB	VNM	Hobart (Kingston), Tas., Australia	FX	1.0	"
14,415.0	USB	CLN422	Havana (Bauta), Cuba	FX	100.0	Telcom/Luanda
14,417.0	850/75R	NRK	unknown	....	....
14,417.0	425/50R	"K4X"	Tunis, Tunisia	FX	....	French EMBASSY
14,417.0	CW	....	unknown	FX	....	Coded Tfc
14,418.0	FEC	....	Kinshasa, Zaire	FX	....	EMBASSY
14,420.0	USB	....	Sinai, Egypt	FX	....	Colombian UNSU
14,423.0	B8E	FT042	Paris (St. Assise), France	FX	20.0	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
14,423.0	USB	AOE50	Torrejon AB, Spain	FX	0.5	USAF
14,424.9	B8E	9UB69	Bujumbura, Burundi	FX	5.0	Telcom
14,425.0	850/50N	ASK	Karachi, Pakistan	FX	10.0	Tfc/London
14,425.0	425/50R	RSA52	Alma Ata, USSR	FX	5.0	
14,426.0	*170/75Rc	RLX	Dublin, Ireland	FX	0.5	Russian EMBASSY [Alt: 12,211.0 & 17,528.0]
14,426.4	275/...e	....	unknown	FX	....
14,427.0	USB	XQ8AE	Cerro Tololo, Chile	FX	1.0	Telcom/Quito
14,431.0	425/50R	SUC	Cairo Aeradio, Egypt	AX	....
14,432.0	B8E	FT043	Paris (St. Assise), France	FX	30.0	Telcom
14,433.0	170/50N	....	Rangoon, Burma	FX	....
14,434.0	425/50R	BAT64	Beijing, PRC	FX	10.0	Tfc/Hanoi
14,434.6	500/50R	FJY4	Martin De Vivies, St. Paul and Amsterdam Islands	FX	1.0	Meteo 1200
14,435.0	425/50R	CLN443	Havana (Bauta), Cuba	FX	10.0	Tfc/Rome
14,435.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF
14,435.0	USB	AIE	Andersen AFB, Guam	FX	3.0	USAF
14,435.0	USB	....	unknown	FX	....	SS Telcom "Don Carlos"
14,435.2	425/50R	1GFE23	Bracknell, England	FX	7.0	Meteo
14,436.0	FAX	GFE23	Bracknell, England	FX	7.0	Meteo/Reported
14,436.2	LSB	....	unknown, numerous, Central America	FX	....	seasonal ice warnings pics at 1413 Net/SS
14,437.0	F7B	RUU72	Leningrad, USSR	FX	20.0	
14,441.0	CW	"4BN"	unknown	FX	....	Coded Tfc
14,441.0	425/50N	....	unknown	....	FF	
14,441.5	USB	....	numerous, USA nationwide	FX	....	USN/MARS
14,442.0	425/75N	FJY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	Meteo (Wx observations daily at 1300)
14,442.0	425/50Rc	....	unknown	FX	....
14,442.0	425/50R	"G8T"	Belgrade, Yugoslavia	FX	....	French EMBASSY
14,442.5	CW	ART	Rawalpindi, Pakistan	FX	1.0	Tfc/Ankara
14,444.9	850/50N	....	Jakarta, Indonesia	FX	....
14,445.0	USB	....	several, in Canada & Middle East	FX	....	Canadian Forces (Reported: VXV9, Golan Heights, Syria & CIW202, Vancouver, BC/phone patches for peace keeping forces) [Alt: 13,971.0]
14,445.0	USB	VEV9	Valcartier, Canada	FX	....	CFARS
14,445.0	USB	VEL	Winnipeg, Canada	FX	....	CFARS
14,445.0	USB	ZKS	Rarotonga, Cook Islands	FX	1.0	Net (Including: ZKI, Tauhunu, Manihiki Atoll; ZKP5, Nassau; ZKL, Palmers- ton Atoll; ZKJ, Omoka, Tongareva Atoll; etc.) [Alt: 14,900.0]
14,445.5	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
14,446.0	475/75R	....	unknown	FX	....
14,448.0	CW	SNN247	Warsaw, Poland	FX	....	EMBASSY (clg CSY22)
14,448.0	USB	AOE50	Torrejon AB, Spain	FX	1.0	USAF
14,448.0	USB	AF024	Westover AFB, MA	FX	0.5	USAF
14,448.5	500/50N	1PPN9	Brasilia, Brazil	FX	....	Tfc/Bogota/Lima
14,449.0	1000/...e	....	unknown	FX	....
14,450.0	USB	CUA71	Lisbon (Alfragide), Portugal	FX	10.0	Telcom
14,450.0	F7B	RVT	Khabarovsk, USSR	FX	15.0	
14,450.0	USB	WGY908	unknown	FX	....	FEMA
14,450.0	USB	WGY910	unknown	FX	....	FEMA
14,450.0	CW	"USO"	unknown, possibly in USSR	FX	....
14,451.0	CW	1UAQ	unknown	FX	....
14,452.0	850/...e	....	unknown	FX	....
14,455.0	425/50R	CME386	Havana, Cuba	FX	1.0	Benin EMBASSY
14,455.0	850/75N	MUQ	Dharan, Nepal	FX	1.0	Tfc/Hong Kong
14,455.2	USB	....	unknown, might be NASA emergency	FX	....	Net/EE
14,458.0	850/50N	ARA	Karachi Aeradio, Pakistan	AX	....	[KEA] Tfc/Cairo
14,460.0	425/50R	Y7B27	Tirana, Albania	FX	1.0	GDR EMBASSY
14,460.0	425/50R	Y7A57	Berlin (Nauen), GDR	FX	5.0	EMBASSY
14,460.0	850/50Ne	1GYU	Gibraltar Naval	FX	....	British Navy
14,460.0	275/75Nc	....	unknown	FX	....
14,460.0	AM	....	unknown	....	....
14,460.7	425/50R	DF046	Frankfurt (Bonames), GFR	FX	20.0	
14,461.0	425/50N	Y7B27	Tirana, Albania	FX	....	GDR EMBASSY
14,461.0	CW	Y7F54	Damascus, Syria	FX	....	GRD EMBASSY
14,461.0	425/50N	"YBU"	unknown, very probably in Cuba	FX	....
14,462.0	425/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
14,462.0	425/50R	HBO34	Berne, Switzerland	FX	10.0	Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
14,463.0	CW	HZN	Riyadh, Saudi Arabia	FX	....	Tfc
14,465.0	B8E	D4E25	Praia, Cape Verde	FX	10.0	Telcom/Lisbon
14,465.0	425/50R	RCT56	Nikolayev, Ukrainian SSR	FX	50.0	TASS
[Beamed to Africa]						
14,466.0	425/50N	FXP77	Papeete Aeradio, Tahiti	AX	5.0	Tfc/Chile
14,467.0	USB	....	numerous, worldwide	FX/MS	..	USN/MARS
14,470.0	850/75N	NGD	McMurdo Station, Antarctica	FX	1.0	USN
14,470.0	425/50R	REM54	Nikolayev, Ukrainian SSR	FX	50.0	TASS Nx EE 1645-1900 [Beamed to Africa]
14,470.0	CW	NPG	NAVCOMMSTA San Francisco, CA	FX	....	USN
14,470.0	USB	....	numerous, worldwide	FX	....	USN/MARS
14,472.9	170/75R	....	numerous, worldwide	FX	....	USN/MARS
14,473.0	LSB	....	unknown	....	....	Telcom/EE
14,474.0	425/50R	LZU78	unknown	FX	....	RYRY
14,475.0	F1B	CME387	Havana, Cuba	FX	1.0	Benin EMBASSY
14,475.2	USB	....	unknown	FX	....	SS/Clg "ARIZONA"
14,475.5	425/50R	XUB	Phnom Penh, Cambodia	FX	5.0	Tfc/XVP2/Hanoi
14,476.0	USB	5BC67	Nicosia, Cyprus	FX	3.0	Telcom
14,477.2	USB	....	numerous, worldwide	FX	....	MARS
14,477.7	CW	"K"	unknown	RC	....	Beacon
14,478.0	425/75R	"7T1"	Damascus, Syria	FX	....	Czech EMBASSY
14,478.5	LSB	OEC44	Tel Aviv, Israel	FX	1.0	Austrian EMBASSY
14,480.0	LSB	VHC	Canberra, ACT, Australia	FX	40.0	RAN
14,480.0	425/50R	BCL43	Shanghai, PRC	FX	15.0	Tfc/New Delhi
14,480.0	170/50R	OEC44	Tel Aviv, Israel	FX	1.0	Austrian EMBASSY
14,481.0	F1B	†GPR34	London (Oxford), England	FX	75.0	Nx
14,482.0	170/50R	OEC	Vienna, Austria	FX	10.0	EMBASSY
14,482.0	170/50N	....	Tripoli, Libya	FX	....	Bulgarian EMBASSY
14,482.0	170/50R	OEC64	Lagos, Nigeria	FX	1.0	Austrian EMBASSY
14,482.0	170/50R	OEC72	Lisbon, Portugal	FX	1.0	Austrian EMBASSY
14,483.4	LSB	OEC	Vienna, Austria	FX	10.0	EMBASSY
14,483.4	LSB	OEC64	Lagos, Nigeria	FX	1.0	Austrian EMBASSY
14,483.4	LSB	OEC72	Lisbon, Portugal	FX	1.0	Austrian EMBASSY
14,485.0	425/50R	"P62"	Paris, France	FX	....	EMBASSY
14,487.8	425/...e	....	unknown	FX	....	Idling
14,489.0	.../50	....	RADAUS Vienna, Austria	FX	....	clg OEC72
14,489.0	F1B	OEC72	Lisbon, Portugal	FX	1.0	Austrian EMBASSY
14,489.2	CW	....	unknown	FX	....	Net ("NEON")
14,490.0	850/50N	DZR33	Manila (Bulacan), Philippines	FX	40.0	
14,491.5	850/75N	....	Belize City, Belize	FX	....	Meteo
14,492.0	CW	"UAA"	unknown	FX	....	"VVV DE UAA"
14,493.2	CW	"NEA"	unknown	FX	....	Rpts/Coded Tfc
14,494.0	B9W	HEK88	Berne, Switzerland	FX	4.0	
14,495.0	USB	FTO49	Paris (St. Assise), France	FX	20.0	Telcom
14,496.0	425/50R	BAR74	Beijing, PRC	FX	10.0	XNA
14,497.0	F7B	UWFO	Petrozavodsk, USSR	FX	60.0	
14,497.4	170/75R	"5W3"	Moscow, USSR	FX	....	Czech EMBASSY
14,497.4	850/50N	CSZ48	Lisbon Aeradio, Portugal	AX	3.0	[LSA] Aero/Meteo
14,497.7	850/50N	CSY66	Santa Maria Aeradio, Azores	AX	2.0	Tfc/Sal
14,500.0	USB	PPR48	Rio de Janeiro (Sepetiba), Brazil	FX	3.0	Telcom/La Paz
14,500.0	CW	CEF5A	Santiago, Chile	FX	....	Tfc/Valparaiso
14,500.0	USB	ZKRQ	Rarotonga Radio, Cook Islands	AX	5.0	Aero/Auckland
14,500.0	CW	T3T5	Tarawa Aeradio, Kiribati	AX	0.5	Tfc/Nandi
14,500.0	425/50R	S0025Ø	Warsaw, Poland	FX	20.0	
14,500.0	B8E	HBE35	Berne, Switzerland	FX	30.0	Tfc/Telcom
14,500.0	USB	4UZ	Geneva (Berne), Switzerland	FX	30.0	Feeder/RR/Moscow
(Appears to operate on Fridays, only 1830-1840)						
14,500.0	425/50R	RBA5Ø	Magadan, USSR	FX	20.0	
14,500.0	B8E	RRRF	Moscow, USSR	FX	15.0	Telcom
14,500.1	850/50N	SUC6Ø	Cairo Aeradio, Egypt	AX	5.0	[ESA] Tfc Khartoum
14,502.5	425/50N	6VU76	Dakar Aeradio, Senegal	AX	5.0	Tfc/Bamako
14,505.0	425/50N	FTO5Ø	Paris (Vernon), France	FX	10.0	
14,505.0	CW	HXZ24	Paris (St. Assise), France	FX	10.0	Meteo
14,507.5	425/50R	....	several in Italy	FX	....	Italian Army
14,508.0	850/50N	D4B	Sal Aeradio, Cape Verde	AX	2.0	[SLA] Tfc/Lisbon
14,509.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,510.0	A1*	....	Wulumuqi, PRC	FX	3.5	XNA
14,510.0	425/50R	RWT29	Khabarovsk, USSR	FX	30.0	
14,510.0	425/50R	RIC75	Moscow, USSR	FX	15.0	TASS Nx EE 1615-2400 [Beamed to Western Europe]

kHz	Mode	Call	Location	Service	kW	Remarks
14,510.0	F1B	....	Bakhtar		....	Nx in Pashto
14,510.0	FAX	....	Falkland Islands		....
14,514.0	425/50N	CLN444	Havana (Bauta), Cuba	FX	20.0	PL Nx PP/SS
			0300-0430 [Beamed to Portugal & Mediteranean]			
14,515.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY
14,515.0	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
14,515.6	170/50R	GPN34	London (Oxford), England	FX	75.0	REUTERS
14,517.0	850/...e	AOK	NS Rota, Spain	FX	1.0	USAF/USN
14,517.0	475/75R	BXT15	unknown	FX	....	PRC EMBASSY
14,520.0	425/50R	BCL22	Beijing, PRC	FX	15.0	Tfc/Cairo
14,520.0	B8E	GIN34	London (Rugby), England	FX	30.0	Telcom
14,524.0	525/...e	....	unknown	FX	....
14,525.0	CW	ETN52	Addis Ababa, Ethiopia	FX	3.0	Algerian EMBASSY
14,525.2	850/50N	XDD246	Mexico City, DF, Mexico	FX	20.0	Tfc
14,526.0	F1B	FTO52	Paris (Vernon), France	FX	10.0	
14,526.0	425/75N	....	Poro la Union, Philippines	FX	35.0	USIA Nx EE
			0000-0215 ("Far East File")			
14,526.0	B8E	....	Dixon, CA	FX	50.0	VOA Feeder/USIA
14,526.0	425/75N	....	Delano, CA	FX	40.0	USIA
14,526.0	425/75N	....	Greenville, NC	FX	40.0	USIA
14,527.0	USB	AGA6TR	Travis AFB, CA	FX	1.0	USAF/MARS
14,527.0	USB	AGA8HI	Hickam AFB, HI	FX	1.0	USAF/MARS
			[Alt: 14,530.0]			
14,529.0	425/...e	....	unknown	FX	....
14,530.0	F7B	RUD59	unknown	FX	....
14,533.0	250/75Nc	....	unknown	FX	....
14,534.0	USB	WEK34	New York, NY	FX	50.0	Telcom
14,535.0	850/50Ne	GYU	Gibraltar Naval	FX	10.0	British Navy
14,535.0	B8E	VJP	Perth (Gnangara), WA, Australia	FX	10.0	Telcom/Cocos Is.
14,539.2	375/50R	....	unknown	FX	....	Telex/SS
14,542.5	F7B	UTH6	Stanislav, Ukrainian SSR	FX	60.0	
14,544.0	425/75Rc	ROW24	Moscow, USSR	FX	20.0	APN Nx RR
14,544.5	CW	↑RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,545.0	425/75Rc	REX53	Petropavlovsk, USSR	FX	20.0	
14,545.8	LSB	PYP	Rio de Janeiro, Brazil	FX	....	Telcom/Tfc
14,547.5	425/50R	BAC54	Beijing, PRC	FX	5.0	XNA Nx EE 1400-1500
14,547.5	850/50R	NAU	NAVCOMMSTA San Juan, PR	FX	10.0	USN
14,547.9	850/50R	JAL44	Tokyo, Japan	FX	10.0	KYODO Nx EE
			0720-0820 & 1000-1100 [Beamed to Europe]			
			PL Nx Feed to Havana 1130-1230 (Not on Sundays)			
14,548.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
14,548.0	425/50R	SRZ944	Warsaw, Poland	FX	1.0	French EMBASSY
14,550.0	*B9W	LCP	Oslo (Jeloej), Norway	FX	10.0	Tfc
14,551.0	425/50R	BXT23	unknown	FX	....	PRC EMBASSY
14,552.0	425/50N	....	unknown	FX	....	AA
14,553.0	850/...e	....	unknown	FX	....	Idling
14,553.0	CW	....	Arica, Chile	FX	1.0	Tfc/Santiago
14,555.0	CW	....	Santiago, Chile	FX	1.0	Tfc/Arica
14,556.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,558.0	475/50R	ULV	Moscow, USSR	FX	....	cIg UKS
14,560.0	USB	AIE	Andersen AFB, Guam	FX	3.0	USAF
14,560.0	USB	AGA	Hickam AFB, HI	FX	5.0	USAF
14,560.0	425/50R	JYF2	Amman, Jordan	FX	5.0	PETRA/JNA Nx AA
			0900-1100 & 1400-1500			
			(Neither broadcast on Fridays) [Beamed to North Africa]			
14,560.0	USB	AFH39	March AFB, CA	FX	1.0	USAF
14,560.0	500/...e	....	unknown	FX	....	Idling
14,562.1	425/50R	EXT23	unknown	FX	....	PRC EMBASSY
14,563.0	850/...e	....	unknown	FX	....	Idling
14,564.0	425/...e	....	unknown	FX	....
14,565.0	425/50R	RZZ42	Vladivostok, USSR	FX	20.0	
14,566.0	850/75R	....	unknown	FX	....	USN
14,567.8	425/50N	CLN445	Havana (Bauta), Cuba	FX	20.0	PL Nx SS 1400-1500
						Nx EE 1200-1300
14,568.5	425/50R	HML61	Pyongyang (Bosong), North Korea	FX	10.0	KCNA Nx EE 0330-0500
						0800-0830
						1000-1100
						(Not on Sundays) 1145-1445
						1500-1730
						2200-0100

kHz	Mode	Call	Location	Service	kW	Remarks
14,569.1	350/50N	Y7A58	Berlin (Konigs Wusterhausen), GDR	FX	5.0	[Beamed to Southeast Asia] ADN
14,569.5	LSB	....	unknown	FX	....	Tfc
14,570.0	425/50N	....	unknown	FX	....	FF Nx
14,571.0	850/50N	TUR5131	Abidjan, Ivory Coast	FX	1.0	Tfc/Dakar
14,573.0	425/50N	9HC67	Malta	FX	10.0	JANA Nx AA 0700-0900 [Beamed to the Middle East] Nx AA 0915-1015 [Beamed to West Africa & South America] Nx AA 1400-1600 [Beamed to the Middle East] Nx AA 1600-1730 [Beamed to West Africa & South America] Nx AA 1730-1930 [Beamed to the Middle East & Asia]
14,574.0	CW	....	unknown	FX	....	Coded Tfc
14,574.4	425/50R	CNM59/X9	Rabat (Tangier), Morocco	FX	10.0	MAP Nx EE 1200-1400 Nx AA 1530-1700 (No AA Newscast on Fridays) [Beamed to the Middle East]
14,574.4	F1B	CNM59/X9	unknown	....	....
14,575.8	170/...e	....	unknown	FX	....
14,579.0	CW	GYU	Gibraltar Naval	FX	....	British Navy
14,580.0	CW	VTP41	Vishakhapatnam Naval, India	FX	....	Indian Navy
14,580.0	USB	ZPG45	Asuncion, Paraguay	FX	5.0	Telcom
14,580.0	425/75Rc	RCC74	Moscow (Kupavna), USSR	FX	15.0	APN
14,582.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
14,582.5	FAX	GFA25	Bracknell, England	FX	2.5	Meteo (0600-1800)
14,585.0	425/50R	BAO8	Beijing, PRC	FX	5.0	Tfc/Hanoi
14,586.9	250/50Rc	....	unknown	FX	....
14,587.0	CW	†CCS	Santiago Naval, Chile	FX	....	Chilean Navy
14,587.0	CW	†"K"	unknown	RC	....	Beacon
14,588.5	CW	"N5K"	unknown	FX	....	clg "OXY"
14,595.0	850/50N	JAL54	Tokyo, Japan	FX	5.0	
14,596.0	FAX	†CS269	Lisbon, Portugal	AX	2.0	Meteo/Aero
14,596.8	425/45N	....	unknown	FX	....	Meteo
14,599.8	850/50N	....	unknown	FX	....	Meteo
14,600.0	850/50R	CAK	Santiago (Los Cerrillos AB), Chile	FX	....	[SIA] Chilean AF
14,600.0	USB	WEK54	New York, NY	FX	80.0	Telcom
14,603.0	USB	....	unknown, uses 227,226,631, etc.	FX	....	NUMBERS/EE/YL
14,603.9	475/75Rc	....	unknown	FX	....
14,604.0	426/50R	BAC24	Beijing, PRC	FX	15.0	XNA
14,605.0	LSB	†PPQ7	Rio de Janeiro (Santa Cruz), Brazil	FX	2.5	Telcom
14,605.0	425/50N	Y3E	Berlin (Nauen), GDR	FX	20.0	
14,605.0	CW	JMB3	Tokyo, Japan	FX	2.0	Meteo
14,605.0	*170/ARQ	†ELR14	Harbel, Liberia	FX	3.0	Tfc
14,606.0	170/50*	MKD	Akrotiri, Cyprus	FX	2.5	DCN
14,606.0	USB	....	numerous, worldwide AGA3HQ, Scott AFB, IL; AGA6MA, March AFB, CA; AGA7RA, Ramey AFB, PR; AGA9EL, Elemendorf AFB, AK; CUW2Ø, Lajes, Field, Azores; etc.)	FX	1.0	USAF/MARS (Including
14,607.5	CW	8UF75	New Delhi, India	FX	5.0	INTERPOL
14,607.5	*170/50N	JPA23	Tokyo, Japan (Distribution of INTERPOL Bulletins to Bangkok, Hong Kong, Jakarta, Kuala Lumpur, Melbourne & Singapore) [Alt: 14,623.5 & 14,707.0]	FX	5.0	INTERPOL
14,607.5	CW	HMA22	Seoul, South Korea	FX	1.0	INTERPOL
14,609.0	USB	WEK64	New York, NY	FX	30.0	Telcom
14,610.0	425/50R	RCR79	Khabarovsk, USSR	FX	5.0	Meteo
14,611.0	325/50R	MKG	London (Stanbridge), England	FX	10.0	DCN
14,611.5	piccolo	....	unknown	FX	....
14,612.0	425/50R	"YBU"	unknown, very probably in Cuba	FX	....	RYRY
14,612.0	CW	....	unknown	FX	....
14,612.5	F7B	RLP9	Alma Ata, USSR	FX	40.0	
14,613.5	B8E	5VH346	Lome, Togo	FX	20.0	Telcom
14,615.0	425/75R	....	Montreal, Canada	FX	....	Czech EMBASSY
14,615.0	USB	AFE71	"Cape Radio", Canaveral AFS, FL	FX	....	USAF/NASA
14,616.0	CW	KWL9Ø	Tokyo, Japan	FX	1.0	USA EMBASSY
14,616.0	LSB	....	unknown	FX	....	Telcom/FF
14,619.0	425/50R	Y7A59	Berlin (Nauen), GDR	FX	20.0	
14,619.5	525/50Rc	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
14,620.0	USB	XJE57	Ottawa (Almonte), Ont., Canada	FX	....	RCMP Net Control
14,620.0	500/45Rc	"REM58"	unknown	FX	....
14,622.0	850/50R	BAY53	Beijing, PRC	FX	15.0	Tfc/Moscow
14,623.5	*170/50N	JPA34	Tokyo, Japan	FX	5.0	INTERPOL
[Alt: 14,607.5 & 14,707.0]						
14,625.0	425/75R	RCG79	Moscow, USSR	FX	15.0	APN Nx AA 0800-1000
14,625.0	425/100R	RCG79	"	FX	15.0	APN Nx AA/FF
14,626.5	170/50R	CLN446	Havana (Bauta), Cuba	FX	5.0	
14,627.0	F1B	HMK75	Pyongyang (Bosong), PDR Korea	FX	15.0	KCNA
[Beamed to the Middle East]						
14,627.0	*170/50N	SFL	Stockholm, Sweden	FX	0.4	Turkist EMBASSY
14,628.0	*425/75N	"7L1"	Havana, Cuba	FX	....	Czech EMBASSY
14,630.0	425/50R	RPT38	Tashkent, Uzbek SSR	FX	20.0	TASS Nx FF 1300-1500
[Beamed to Southeast Asia]						
14,630.0	B8E	WFK34	New York, NY	FX	40.0	Telcom
14,630.1	425/50N	ISX46	Rome (Torrenova), Italy	FX	10.0	ANSA Nx FF 1800-1830
(Sundays, only)						
(Not on Sundays) EE 1900-2000						
(Not on Sundays) FF 2000-2100						
[Beamed to West Africa]						
14,630.6	850/50R	SUC41	Cairo Aeradio, Egypt	AX	5.0	[EKA] Tfc/Karachi
14,632.0	425/75R	YZC2	Belgrade, Yugoslavia	FX	30.0	TANJUG
(Serbo-Croat Nx to EMBASSIES 1400-1430) [Beamed to India]						
14,635.0	B8E	FT063	Paris (St. Assise), France	FX	20.0	Telcom
14,638.0	425/75N	WFK54	New York, NY	FX	10.0	USIA Nx EE
("American Republic File")						
1700-1930 [Beamed to Central & South America]						
14,638.0	CW	....	unknown	FX	....
14,640.0	425/50R	CLN477	Havana (Bauta), Cuba	FX	10.0	
14,640.0	425/75R	CME326	Havana, Cuba	FX	1.0	Czech EMBASSY
14,640.0	F1B	"KPL"	Vientiane, Laos	FX	....	KPL Nx EE 0900-1030
14,641.0	CW	EBA	Madrid Radionaval, Spain	FX	....	Spanish Navy
14,642.0	170/75R	4US	Nicosia, Cyprus	FX	10.0	UNFICYP
14,642.0	170/75R	4UA	Rawalpindi, Pakistan	FX	10.0	UN
14,642.0	425/75R	4UZ	Geneva, Switzerland	FX	20.0	UN
14,645.3	425/75R	....	Montreal, Ont. Canada	FX	....	Czech EMBASSY
14,646.0	425/50N	GIW34A	London (Ongar), England	FX	20.0	LPS Nx EE 1900
[Beamed to Africa]						
14,646.0	B8E	GIW34	London (Rugby), England	FX	10.0	Telcom
14,648.0	USB	....	unknown	FX	....	Net/FF
14,649.0	*170/75R	KNY23	Washington, DC	FX	1.0	Czech EMBASSY
14,649.4	425/75R	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
14,650.0	425/75Rc	....	unknown, in the USSR	FX	....	APN
14,650.0	CW	....	unknown	FX	....	Code Tfc
14,652.0	850/50N	L0L	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
14,652.6	425/75R	EXT18	unknown	FX	....	PRC EMBASSY
14,655.0	USB	ZL08	Scott Base, Antarctica	FX	....	Tfc/Wellington
14,657.0	850/50Rc	....	unknown	FX	....
14,658.5	USB	....	several, USA nationwide	FX	....	DOE
14,660.0	FAX	....	Taipei, Taiwan	FX	....	Meteo
14,660.0	F7B	RQW21	Tashkent, Uzbek SSR	FX	80.0	
14,661.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY Net (In-
cludes: ETN66, Addis Ababa, Ethiopia; OHU21, Paris, France; OHU22, Bucharest, Rumania; OHU23, Tel Aviv, Israel; OHU26, Belgrade, Yugoslavia & OHU28, Warsaw, Poland) [Alt: 14,693.0]						
14,662.0	170/75R	....	Helsinki, Finland	FX	....	Yugoslav EMBASSY
14,664.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,664.0	CW	RPR2	unknown	FX	....
14,665.0	425/50R	Y3E2	Berlin (Nauen), GDR	FX	20.0	ADN
14,665.0	USB	....	numerous, worldwide	FX	....	US Army/MARS
14,665.1	350/50N	YZV45	unknown			
14,670.0	J3E	CHU	Ottawa, Ont. Canada	SS	3.0	TIME SIGNALS
14,670.0	B8E	CLN447	Havana (Bauta), Cuba	FX	100.0	Tfc/Luanda
14,670.0	B8E	MKD	Akrotiri, Cyprus	FX	10.0	DCN/Telcom
14,670.0	850/50R	CNM60	Rabat (Tangier), Morocco	FX	10.0	
14,671.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
14,672.0	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	USAF/Meteo
14,676.0	850/50R	BZR64	Wulumuqi, PRC	FX	2.0	XNA
14,676.0	B8E	9NB24	presumed Kathmandu, Nepal	FX	....	Telcom
14,676.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
14,677.0	425/75Nc	UKJ8	Nal'chik, USSR	FX	60.0	
14,678.5	USB	....	Tel Aviv, Israel	FX	1.0	Philippine EMBASSY
14,679.0	425/75R	DFZG	unknown	FX	....
14,680.0	*425/75Rc	UJY2	Kaliningrad, USSR	FX	5.0	Tfc/Havana
14,680.0	425/75R	....	Belgrade, Yugoslavia	FX	....	EMBASSY Nx 1430
14,682.0	425/75Rc	....	unknown	FX	....
14,684.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
						[Alt: 11,688.0 & 15,582.0]
14,685.0	FAX	....	Taipei, Taiwan	FX	....	CNA Nx 0200-1500
14,686.0	USB	....	several, USA nationwide	FX	....	DEA (Use of many code names--including; "Atlas", "Flint", "Condor", "Swordfish", etc.) [Alt: 11,076.0 & 18,666.0]
14,687.0	USB	f....	Hanoi, Vietnam	FX	....	Telcom
14,688.0	CW	VMH	Darwin, NT, Australia	FX	10.0	RA Army
14,690.0	F1B	CME347	Havana, Cuba	FX	1.0	Rumanian EMBASSY
14,690.0	CW	GYU	Gibraltar Naval	FX	....	British Navy
14,690.0	425/50R	RIC73	Moscow, USSR	FX	15.0	TASS
						[Non-directional]
14,692.0	850/75Re	GYU	Gibraltar Naval	FX	....	British Navy
14,692.0	CW	VVN59	unknown, probably in India	FX	....	clg VVN44
14,692.5	FAX	JMJ4	Tokyo, Japan	FX	5.0	Meteo
14,693.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY Net
			(Includes: OHU22, Bucharest, Rumania; OHU25, Beijing, PRC; OHU26, Belgrade, Yugoslavia & OHU28, Warsaw, Poland)			
14,694.6	USB	....	unknown	FX	....	Net
14,695.0	170/50N	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
14,696.5	CW	↑COY895	Havana Naval, Cuba	FX	....	Russian Navy
14,697.0	425/50R	BZT44	Wulumuqi, PRC	FX	25.0	XNA
						[Beamed to Europe]
14,698.0	850/50N	ATU65	Poona, India	FX	10.0	Tfc/Tokyo
14,698.0	850/50R	YO046	Bucharest (Urziceni), Rumania	FX	10.0	Tfc/Beijing
14,699.0	250/50R	YIX70	Baghdad, Iraq	FX	30.0	INA Nx AA 0600-1300
						[Beamed to North Africa & Middle East]
14,700.0	425/50R	REB24	Alma Ata, USSR	FX	80.0	TASS Nx EE 0500-1245
						1615-2400
						[Beamed to Southeast Asia]
14,701.0	425/50R	YTP4	Belgrade, Yugoslavia	FX	10.0	
14,702.0	850/75N	ZLK46	Christchurch Naval, New Zealand	FX	15.0	[CKA] NSF/USN
14,702.0	850/50N	RBNF	Moscow Aeradio, USSR	FX	....	Tfc/Egypt
14,707.0	*170/50N	JPA35	Tokyo, Japan	FX	5.0	INTERPOL
						[Alt: 14,623.5]
14,708.9	375/...e	....	unknown	FX	....
14,711.9	USB	....	unknown	FX	....	Telcom/FF
14,712.5	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
14,712.5	850/75N	KWK97	Warsaw, Poland	FX	1.0	USA EMBASSY
14,715.0	425/50R	BAB91	Beijing, PRC	FX	25.0	Tfc/Rome
14,715.0	B9W	AIC	Clark AB, Philippines	FX	5.0	USAF
14,715.0	USB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF
14,718.0	CW	"2K6"	unknown	FX	....	Czech EMBASSY
14,719.0	850/50N	JAN24	Tokyo, Japan	FX	5.0	KYODO Nx EE 0250-0320
						(First two broadcasts not on Sundays) 0440-0600
						(Daily) 0610-0630
						[Beamed to South Korea]
14,720.0	425/50R	RKB58	Moscow, USSR	FX	15.0	Bakhtar Nx EE
						0415-0545 (Not on Saturdays)
						[Beamed to Europe & North America]
14,720.0	425/100Rc	RKB58	Moscow, USSR	FX	15.0	APN Nx RR 0800-1000
14,720.0	425/50R	RKB58	" "	FX	15.0	TASS Nx EE 1530-1900
						[Beamed to West Africa]
14,721.9	750/50R	TNL77	Brazzaville Aeradio, Congo	AX	5.0	[FNA] Aero/Meteo
14,723.8	525/75Rc	....	unknown	FX	....
14,724.2	LSB	....	unknown	FX	....	Telcom/FF
14,725.0	425/50N	WFD54	New York, NY	FX	50.0	DPA Nx SS 1400-1730
14,726.5	USB	....	numerous, throughout Mozambique	FX	1.0	Police
14,727.0	CW	"ZP5"	unknown	FX	....	VVV's
14,728.0	CW	RIT	unknown, probably in the USSR	FX	....	Russian Navy
14,729.0	B8E	....	numerous, USA nationwide	FX	....	NOAA Net

kHz	Mode	Call	Location	Service	kW	Remarks
14,729.0	850/50R	....	unknown	FX	....	FOXES
14,729.0	425/...e	....	unknown	FX	....	Idling
14,730.0	CW	CLP1	Havana, Cuba	FX	....	EMBASSY
14,730.0	USB	FT073	Paris (St. Assise), France	FX	20.0	Telcom
14,730.0	USB	JBL54	Tokyo (Oyama), Japan	FX	30.0	Telcom
14,731.0	170/75R	....	Paris, France	FX	....	Polish EMBASSY
14,735.0	425/50R	BZP23	unknown			Cyrillic
14,735.0	850/50N	JAN34	Osaka, Japan	FX	2.5	
14,735.0	.....	AJO	Adana	FX	....	USAF
14,736.0	USB	IRL27	Rome (Torrenova), Italy	FX	10.0	Telcom
14,737.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
14,738.3	550/50R	SUU52	Cairo, Egypt	FX	....	[HECA] Meteo
14,738.4	425/50N	....	unknown			[LGAT] Meteo
14,739.0	CW	....	unknown	FX	....
14,741.0	*170/50N	YMS	Warsaw, Poland	FX	0.4	Turkist EMBASSY [Alt: 13,942.0]
14,744.0	USB	....	several, Pacific Ocean area [May be called "ALFA TANGO ONE"]	FX	....	USAF frequency]
14,745.1	375/...e	....	unknown	FX	....	Idling
14,747.5	LSB	FP074	Paris (St. Assise), France	FX	2.0	Telcom
14,747.5	USB	YKY32	Damascus, Syria	FX	....	Telcom
14,747.5	850/75N	KWK94	unknown, probably in Mideast	FX	1.0	USA EMBASSY
14,748.5	USB	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabian [Alt: 5806.0 & 15,595.5] EMBASSY
14,749.7	425/50R	....	Berlin, GDR	FX	....	ADN
14,751.0	CW	CME305	Havana, Cuba	FX	1.0	Polish EMBASSY
14,754.5	USB	ZZH27	Harare, Zimbabwe	FX	0.5	British EMBASSY
14,755.0	Al*		Beijing, PRC	FX	5.0	XNA Nx CC 0000-0300+1130-1345
14,758.0	CW	GYU	Gibraltar Naval	FX	1.5	British Navy
14,760.0	425/50N	BAT93	Beijing, PRC	FX	10.0	XNA Nx EE/FF/VV Irregular Schedule [Feed to VNA]
14,760.0	USB	NNN0NRS	Diego Garcia	FX	2.0	USN/MARS
14,760.0	850/75Ne	ZLX54	Himatangi Naval, New Zealand	FX	50.0	RNZ Navy
14,760.0	USB	....	numerous, worldwide	FX	....	USN/MARS
14,761.0	350/...e	....	unknown	FX	....	(also data/CW)
14,761.0	170/...e	....	unknown	FX	....
14,763.0	F7B	UYV6	Frunze, Kirgiz SSR	FX	60.0	
14,764.0	350/75R	A9M70	Mansama, Bahrain	FX	10.0	WAKH Nx AA 0500-1500 EE 1500-1700 AA 1700-2100 [Beamed to the Middle East]
14,766.0	USB	NGD	McMurdo Station, Antarctica	FX	1.0	USN
14,767.0	USB	ZBI67	Georgetown, Ascension Island	FX	....	Telcom
14,768.0	850/75Ne	ZLK32	Christchurch Naval, New Zealand	FX	5.0	NSF/USN
14,768.0	850/50N	"CMB"	unknown	FX	....	NATO
14,769.0	850/50N	ATS65	New Delhi, India	FX	10.0	
14,770.0	325/...e	....	unknown	FX	....
14,771.0	LSB	....	numerous, worldwide	FX	....	USN/MARS
14,772.0	USB	AGA	Hickam AFB, HI	FX	10.0	USAF
14,776.0	850/50R	SUC66	Cairo Aeradio, Egypt	AX	5.0	[EWA] Tfc/Aden
14,776.0	USB	WGY908	Denver, CO	FX	....	FEMA
14,776.2	USB	†FT077	Paris (St. Assise), France	FX	20.0	Telcom
14,777.0	B8E	5VH347	Lome, Togo	FX	20.0	Telcom
14,777.1	500/50R	KEA155	unknown (or WEA075)	FX	....
14,778.0	USB	....	several, in Pacific Ocean area	FA	....	USAF [Has been used for SKY KING broadcasts]
14,780.0	425/...e	....	unknown, probably in Far East	FX	....
14,782.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
14,783.1	475/50N	....	unknown	FX	....	Meteo
14,784.9	850/50N	ATP65	New Delhi, India	FX	10.0	ISI Nx EE 0830-1030 (Neither newscast on Sundays) 1430-1740
14,785.6	170/ARQ	....	unknown	FX	....
14,786.0	CW	....	unknown	FX	....
14,788.0	F1B	C9E231	Maputo Aeradio, Mozambique	AX	....
14,789.0	250/...e	....	unknown	FX	....	Idling
14,789.1	425/75R	....	unknown	FX	....
14,789.2	850/75R	LOL	Buenos Aires Naval, Argentina	FX	....	Argentinian Navy
14,790.0	425/50R	BZM45	Wulumuqi, PRC	FX	40.0	XNA [Beamed to East Africa]

kHz	Mode	Call	Location	Service	kW	Remarks
14,790.5	USB	V3Z3	Belize City, Belize	FX	1.0	Tfc/Miami
14,792.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
14,792.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
14,792.5	USB	WMC94	San Francisco (Oakland), CA	FX	20.0	Telcom/Tfc
14,794.8	B8E	XY084	Rangoon, Burma	FX	4.0	Telcom
14,795.7	325/50N	FT079A/H1	Paris (St. Assise), France	FX	20.0	AFP Nx EE 0600-1500 ("EXOR Service") [Beamed to the Far East]
14,797.1	325/50N	FT079A/H3	Paris (St. Assise), France	FX	20.0	AFP Nx AA 1600-1900 [Beamed to the Middle East]
14,799.9	425/50N	Y2V24	Berlin (Konigs Wusterhausen), GDR (Not on Sundays) 0800-0950 [Beamed to the Far East & Southeast Asia]	FX	20.0	ADN Nx EE (Sundays, only) 0900-0950
14,800.0	CW	CME373	Havana, Cuba	FX	5.0	Vietnamese EMBASSY
14,800.0	850/FSK	....	unknown	FX	....
14,800.5	USB	....	Doha, Qatar	FX	10.0	Telcom/Paris
14,804.0	425/50R	9VF97	Singapore, Singapore	FX	5.0	ANSA [Non-directional]
14,805.0	425/100Rc	....	unknown	FX	....
14,805.2	CW	....	unknown	FX	....	uses UHAA/RR
14,808.5	425/75N	....	several, Pacific Ocean area	FX	2.0	USAF/MARS
14,810.0	F1B	CDF4A	Antofagasta			
14,810.0	850/50N	"DCYF"	Antofagasta, Chile	FX	....
14,811.0	425/50R	HGX60	Khartoum, Sudan	FX	....	Hungarian EMBASSY
14,813.0	850/50R	HGX21	Budapest, Hungary	FX	....	EMBASSY
14,814.0	750/50R	HGX55	El Djazair, Algeria	FX	....	Hungarian EMBASSY (Station drifts upwards in frequency)
14,815.0	425/50R	CME339	Havana, Cuba	FX	1.0	Hungarian EMBASSY
14,817.5	170/ARQ	....	Buenos Aires, Argentina	FX	....	[IPBV] INTERPOL
14,817.5b	170/50N	ONA20	Brussels, Belgium	FX	2.0	INTERPOL
14,817.5c*170/50N		FSB58	Paris (St. Martin Abbat), France	FX	2.5	"
14,817.5d*170/50N		DEB	Wiesbaden, GFR	FX	5.0	"
14,817.5e	CW	8UF75	New Delhi, India	FX	....
14,817.5	170/50R	JPA51	Nagoya (Komaki), Japan	FX	10.0	"
14,817.5	CW	TUW210	Abidjan, Ivory Coast	FX	1.0	"
14,817.5	170/50R	JPA21	Tokyo, Japan	FX	5.0	"
14,817.5	CW	LXF50	unknown			
14,817.5	CW	PDB2	unknown			
14,817.5	CW	CSJ27	Lisbon, Portugal	FX	10.0	"
14,817.5	170/50N	5YG	Nairobi, Kenya	FX	5.0	"
14,818.0	*425/50N	Y7A60	Berlin (Konigs Wusterhausen), GDR	FX	5.0	EMBASSY
14,818.0	425/50R	CLP25	Maputo, Mozambique	FX	....	Cuban EMBASSY
14,818.0	CW	Y7F37	unknown	FX	....
14,818.0	CW	Y7F44	unknown	FX	....	GDR EMBASSY
14,818.5	USB	....	unknown	FX	....	EE/telcom
14,819.0	850/50R	LOV3	Ushuaia Naval, Argentina	FX	1.0	Argentinian Navy
14,819.0	USB	....	possibly in RSA	FX	....	Tfc/Telcom
14,819.0	850/50R	LOK	Orcadass Naval, South Orkney Is.	FX	1.0	Argentinian Navy
14,820.0	F7B	RVB55	Khabarovsk, USSR	FX	35.0	
14,820.0	525/75N	....	unknown	FX	....	Coded Tfc
14,820.0	USB	NNN0NRS	Diego Garcia			USN MARS
14,823.5	425/50R	XVH68	Ho Chi Minh City, Vietnam	FX	....	Meteo
14,824.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
14,824.0	425/50R	....	unknown	FX	....	Duplex 14,844.1
14,825.0	FAX	Y2V25	Berlin (Nauen), GDR	FX	20.0	ADN Nx
14,825.0	375/50N	Y2V25	" "	FX	20.0	ADN Nx EE 1200-1350 EE/FF 1400-1450 Nx EE 1600-1750 [Beamed to the Far East & Southeast Asia] (Not on Sundays) Nx EE/FF/SS 1900-2050 (Sundays, only) 1900-1950 [Beamed to Latin America]
14,827.0	CW	TUW220	Abidjan, Ivory Coast	FX	1.0	INTERPOL Net (Bulletins to TLQ, Bangui, Central African Republic; TRS, Libreville, Gabo; TZP, Bamako, Mali; 5UF, Niamey, Niger; Lagos, Nigeria; 6WZ, Dakar, Senegal; Togo & Zaire) [Alt: 19,487.0] ((Usually starts up at about 1530))
14,829.0	USB	AGA8AN	Andersen AFB, Guam	FX	1.0	USAF/MARS
14,829.0b	USB	AGA8HI	Hickam AFB, HI	FX	1.0	USAF/MARS
14,830.3	425/50N	....	Lumbumashi, Zaire	FX	....	AZAP
14,830.5	*170/75N	....	numerous, Pacific Ocean area	FX	....	USAF/MARS (In-

kHz	Mode	Call	Location	Service	kW	Remarks
			cludes: AGA8AN, Andersen AFB, Guam; AGA6MA, March AFB, CA; AGA8HI, Hickam AFB, HI; AGA8JO; Johnston Island; AGA8PP, Pago Pago, American Samoa; etc.)			
14,831.0	425/50R	BZM34	Wulumuqi, PRC	FX	25.0	XNA
				[Beamed to Northeast Africa]		
14,831.0c	325/50N	9KT33	Huban, Kuwait	FX	5.0	KUNA Nx EE 1000-1300 1600-1800
						[Non-directional]
14,831.0			Kuwait			
14,834.0	850/75N	AGA8MI	Misawa AB, Japan	FX	....	USAF/MARS
14,834.2	325/50N	9KT33	Huban, Kuwait	FX	5.0	KUNA Nx AA 0700-1100 1400-1700
						[Non-directional]
14,834.2			Kuwait			
14,834.7	CW	†"YBFQ"	unknown	FX	....	clg XUQC
14,835.0	425/50N	GFL24	Bracknell, England	FX	5.0	Meteo
14,835.0	850/50N	9VF99	Singapore	FX	5.0	ANSA Nx EE 1700-1900
			(Not on Sundays)	[Beamed to Japan, Hong Kong & Philippines]		
14,837.3	170/50R	VVD56	New Delhi, India	FX	18.0	[SIIN] Meteo
14,840.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	10.0	USN
14,840.0	LSB	....	Moscow, USSR	FX	....	RR/Telcom
14,840.0	170/50*	MKG	London (Stanbridge), England	FX	3.5	DCN
14,840.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	40.0	USN
14,840.0	425/50R	RZB78	Vladivostok, USSR	FX	5.0	Meteo
14,842.0	FAX	ATV65	New Delhi, India	FX	18.0	Meteo (0600-1400)
14,842.0	USB	....	Lincoln Labs, MA	FX	....	"Testing"
14,844.1	425/50R	....	unknown	FX	....	Duplex 14,824.0
14,846.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
14,847.2	1000/50R	7XA	Algiers Aeradio, Algeria	AX	....	Aero/Meteo
14,847.5	850/50R	CNO78	Casablanca Aeradio, Morocco	AX	2.0	[MOA] Tfc/Dakar
14,849.0	piccolo	....	unknown	FX	....
14,850.0	CW	ZLX37	Wellington (Himatangi), New Zealand	FX	5.0	(NOAA reports wx broadcasts at 0200, 0500, 0520, 0815, 0850, 0910, 1800, 2040 & 2110)
14,850.0	850/50Ne	ZLX37	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy/Meteo
14,850.0	850/50N	ASK	Karachi, Pakistan	FX	7.5	
14,850.0	LSB	ROW26	Moscow, USSR	FX	20.0	Feeder for RADIO ORBITA-2
14,852.0	850/...e	....	unknown	FX	....
14,853.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
14,853.0	850/75N	WBR70	Miami Aeradio, FL	AX	5.0	[WBC] Meteo
14,853.0	850/45N	....	unknown	FX	....
14,855.0	USB	PSR	Rio de Janeiro (Sepetiba), Brazil	FX	2.5	Telcom
14,855.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
14,855.0	USB	FT085	Paris (St. Assise), France	FX	15.0	Telcom
14,855.6	LSB	....	unknown			EE Telecom
14,860.0	F1B	CME354	Havana, Cuba	FX	2.0	Yugoslav EMBASSY
14,860.0	425/50R	XVK31	Hanoi, Vietnam	FX	15.0	Tfc/Stockholm
14,861.0	piccolo	....	unknown	FX	....
14,862.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	....	USN
14,864.0	425/50R	BUA64	Wulumuqi, PRC	FX	3.5	XNA
14,865.5	900/50R	MRX	Butterworth AB, Western Malaysia	FA	....	RAAF
14,868.0	525/75Rc	....	unknown	FX	....
14,868.8	CW	CTN37	Apulia Naval, Portugal	FX	....	Port. Navy
14,872.5	850/50R	8BB	Jakarta Aeradio, Indonesia	AX	....
14,872.5	425/...e	....	unknown	FX	....
14,875.0	850/50N	JAN64	Osaka, Japan	FX	25.0	Tfc
14,875.0	*F1B	†KNY21	Washington, DC	FX	1.0	Yugoslav EMBASSY
14,875.0	850/50N	WFE34	New York, NY	FX	1.0	Tfc/Havana
14,877.0	USB	AGA6MA	March AFB, CA	FX	1.0	USAF/MARS
14,878.5	170/75N	AGA6MA	March AFB, CA	FX	1.0	USAF/MARS
14,879.0	425/100N	Y7L36	Havana, Cuba	FX	....	GDR EMBASSY
14,879.5	LSB	CUW	Lajes Airways, Azores	FX	....	USAF
14,880.0	850/50R	JMG4	Tokyo, Japan	FX	....	Meteo (cont.)
14,880.0	425/50R	RIC72	Moscow, USSR	FX	15.0	TASS
				[Beamed to India & Pakistan]		
14,880.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
14,881.8	USB	....	unknown	FX	....	Telcom/FF
14,884.5	425/50R	CLN450	Havana (Bauta), Cuba	FX	5.0	
14,885.0	850/50N	9VF200	Singapore, Singapore	FX	5.0	

kHz	Mode	Call	Location	Service	kW	Remarks
14,886.0	AM	....	unknown	FX	....	NUMBERS (jamming)
14,888.0	USB	CNR33	Rabat, Morocco	FX	....	vm
14,888.0	USB	....	Dakhla, Western Sahara	FX	....	clg Rabat
14,890.0	AI*	....	Beijing, PRC	FX	10.0	XNA Nx CC 0000-0300 0700-1000
14,890.0	425/50R	RZB79	Vladivostok, USSR	FX	5.0	Meteo
14,890.0	AM	....	unknown	FX	....	NUMBERS/OM/KK/5
14,891.0	LSB	FT088	Paris (St. Assise), France	FX	15.0	Telcom
14,893.8	425/100R	OEM64	Vienna Aeradio, Austria	FX	5.0	Aero/Meteo
14,894.1	CW	"A4I"	unknown, possibly in South America	FX	....
14,896.0	170/...e	....	unknown	FX	....	(also data)
14,897.0	425/50N	†IRL38	Rome, Italy	FX	10.0	
14,900.0	425/50R	BAM23	Beijing, PRC	FX	30.0	Tfc/Berne
14,900.0	USB	ZKS	Rarotonga, Cook Islands	FX	1.0	
14,900.0	USB	FT090	Paris (St. Assise), France	FX	15.0	Telcom
14,900.0	USB	....	Hilversum (Kootwijk), Netherlands	FX	....	Radio Netherlands Feeder
14,901.0	425/50N	CLN451	Havana (Bauta), Cuba	FX	5.0	TASS Nx EE 1200-1700 PL Nx EE 1745-2030 [Non-directional]
14,901.5	170/ARQ	....	Cairo, Egypt	FX	....	EMBASSY
14,902.0	USB	AFE38	Maxwell AFB, AL	FX	1.0	USAF
14,902.0	USB	AFF21	Tyler, TX	FX	1.0	USAF
14,903.5	USB	....	numerous, USA nationwide	FX	....	CAP Backup Net
14,912.0	F1B	....	Belgrade, Yugoslavia	FX	....	EMBASSY
14,913.0	USB	"AF2"	"AIR FORCE 2" (in flight)	MA	....	USAF VIP a/c
14,913.0	425/75N	....	Belgrade, Yugoslavia	FX	....	EMBASSY Nx Serbo-Croat
14,914.0	425/50R	SOO291	Warsaw, Poland	FX	210.0	
14,915.0	850/50N	CVN5	Montevideo, Uruguay	FX	14.0	
14,921.0	B8E	XTA49	Ouagadougou, Upper Volta	FX	20.0	Telcom
14,923.0	850/50R	BAP44	Beijing, PRC	FX	10.0	XNA Nx EE 0030-0300 0630-0930
14,925.0	USB	OHU25	Beijing, PRC	[Beamed to Japan & Southeast Asia]		
14,925.0	USB	OHU20	Helsinki, Finland	FX	1.0	Finnish EMBASSY
14,925.0	*850/....	FUB	Paris (Houilles) Naval, France	FX	1.0	EMBASSY
14,925.0	F1B	....	unknown, in Vietnam	FX	2.0	French Navy tfc to Tokyo
14,926.1	170/...e	....	unknown	FX	....
14,927.0	425/50R	BUA54	Wulumuqi, PRC	FX	5.0	XNA
14,927.0	CW	"5YC"	unknown	FX	....	VVV's
14,927.0	CW	"8BY"	unknown	FX	....	Coded Tfc
14,927.0	CW	"C3N"	unknown	FX	....	VVV's
14,927.5	850/...e	....	several, USA nationwide	FX	....	USN
14,927.7	425/50N	XVB4	Hanoi, Vietnam	FX	....	Nx EE/VV
14,928.0	425/50N	CLN452	Havana (Bauta), Cuba	FX	30.0	(Occasionally VNA nx to EMBASSIES)
14,930.0	B8E	VNV113	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/PNG
14,930.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
14,931.2	CW	"VU6"	unknown	FX	....	VU6 VU6 VU6
14,931.8	170/ARQ	....	unknown	FX	....
14,932.0	425/50R	....	Algiers, Algeria	FX	....	APS Nx AA 0800-1000 1400-1600
14,933.0	USB	CME407	Havana, Cuba	FX	1.0	(Not on Fridays) [Beamed to the Middle East] Libyan EMBASSY
14,934.0	USB	....	unknown			MARS
14,935.0	850/...e	....	unknown	FX	....
14,935.8	425/75Nc	....	unknown	FX	....
14,937.0	B8E	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	45.0	USAF/NASA
14,937.5	650/...e	....	unknown	FX	....	Idling
14,938.0	850/50R	BPJ22	Beijing, PRC	FX	10.0	Tfc/Wulumuqi
14,940.0	CW	CLP1	Havana, Cuba	FX	....	EMBASSY
14,940.0	425/50	FJY3	now called Dumont d'Urville, France			
14,940.0	F7B	RIC71	Moscow, USSR	FX	80.0	Tfc/Havana
14,940.0	850/...e	....	unknown	FX	15.0	Meteo
14,940.5	425/50R	5UA	Niamey, Niger	FX	....	Idling
14,934.0	USB	....	unknown			
14,942.0	500/75R	CLP1	Havana, Cuba	FX	....	MARS EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
14,945.0	B8E	VNV71	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/Mawson
14,945.0	425/50R	BBC24	Shanghai, PRC	FX	15.0	Tfc/Colombo
14,945.5	500/75N	CLP1	Havana, Cuba	FX	....	EMBASSY
14,945.6	USB	....	unknown	FX	....	NUMBERS/GG/YL/
14,950.0	850/50N	GYU	Gibraltar Naval	FX	....	British Navy
14,950.0	F7B	RWM79	Moscow, USSR	FX	15.0	
14,954.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
14,955.0	USB	AFG4	Offutt AFB, NE	FX	0.5	USAF/SAC (Includes
14,955.0	USB	SKY KING	ROAD CREW, MEMORIZE, TRIAD, etc			
14,958.0	CW	LST46	YPF Rio Gallegas, Argentina	FX	....	c1g LST8
14,959.0	USB	....	Sao Jose Campos, Brazil	FX	1.0	USAF
14,960.0	425/50R	BMA44	Kunming, PRC	FX	5.0	Tfc/Beijing
14,960.0	425/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
14,960.0	B8E	....	Moscow, USSR	FX	....	Telcom
14,961.0	CW	BPM	Xian, PRC	FX	50.0	TIME SIGNALS
14,962.0	170/75N	SAM	Stockholm, Sweden	FX	1.0	EMBASSY
			(Occasional Nx in EE/Swedish 1000-1130)			
14,965.0	850/50N	ZEN71	Cape D'aguiar, Hong Kong	FX	7.5	Tfc/Bangkok
14,967.9	CW	"K"	unknown	RC	....	Beacon
14,968.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
14,968.5	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (This is
			one of the principal channels for Swedish Embassies. On			
			this frequency are: SAM21, Berlin, GFR; SAM25, Lisbon,			
			Portugal; AND5, Madrid, Spain; SAM40, Warsaw, Poland;			
			SAM45, Ankara, Turkey; SAM47, Beirut, Lebanon; SAM48,			
			Damascus, Syria; SAM50, Cairo, Egypt; SAM54, Vientiane,			
			SAM64, Pyongyang, N. Korea; SAM79, Lusaka, Zambia; SAM80,			
			Laos; SAM58, Jakarta, Indonesia; SAM61, New Delhi, India;			
			Garbarone, Botswana; SAM81, Bissau, Guinea-Bissau & SAM82,			
			Maputo, Mozambique) [Alt: 00,000.0]			
14,970.0	USB	CME381	Havana, Cuba	FX	1.0	Swedish EMBASSY
14,971.5	LSB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (This
			is the other principal channel for Embassies and includes:			
			SAM21, Berlin, GFR; SAM26, London, England; SAM35, Belgrade,			
			Yugoslavia; SAM36, Budapest, Hungary; SAM37, Bucharest,			
			Rumania; SAM39, Prague, Czechoslovakia; SAM45, Ankara,			
			Turkey; SAM47, Beirut, Lebanon; SAM49, Jeddah, Saudi Arabia;			
			SAM51, Teheran, Iran; SAM52, Tel Aviv, Israel; SAM55, Bang-			
			kok, Thailand; SAM57, Dhaka, Bangladesh; SAM59, Hanoi, Viet-			
			nam; SAM60, Islamabad, Pakistan; SAM62, Beijing, PRC; SAM71,			
			Dar es Salaam, Tanzania; SAM72, Kinshasa, Zaire; SAM73,			
			Lagos, Nigeria; SAM74, Monrovia, Liberia; SAM75, Nairobi,			
			Kenya; SAM80, Gabarone, Botswana & SAM82, Maputo, Mozambique)			
			[Alt: 18,808]			
14,972.0	F1B	....	Helsinki	FX	....	EMBASSY
14,973.0	CW	"FKE3"	unknown	FX	....	Coded Tfc
14,974.0	425/50R	GBW34B	London (Dorchester), England	FX	30.0	AP Nx EE 1800-1900
			[Beamed to East Africa & the Middle East]			
14,975.0	425/50N	Y3E3	Berlin (Nauen), GDR	FX	20.0	DP
14,975.0	CW	XVS	Ho Chi Minh City, Vietnam	FX	4.0	(NOAA reports
			wx broadcasts at 0420, 1020 & 1620)			
14,976.0	USB	Y3E3	Berlin (Nauen), GDR	FX	20.0	Telcom
14,978.0	CW	TUW220	Abidjan, Ivory Coast	FX	1.0	Police
14,978.3	CW	....	unknown	FX	....
14,980.0	425/50N	HXX34	Paris (Vernon), France	FX	10.0	Meteo (cont.)
14,980.0	.....	....	COMMSTA Majuro, Marianna	FX	5.0	
14,982.0	425/50R	YAK6	Kabul, Afghanistan	FX	10.0	
14,982.5	FAX	RBV76	Tashkent, Uzbek SSR	FX	20.0	Meteo
14,983.0	F7B	....	Beijing, PRC	FX	....	XNA Feeder
			for re-broadcast PRC, nationwide			
14,984.5	CW	"K"	unknown	RC	....	Beacon
14,985.0	AM	EHY26	Madrid (Pozuelo del Rey), Spain	FX	10.0	Telcom
14,987.0	CW	ZEN69	Cape D'aguiar, Hong Kong	FX	3.5	Tfc/Vientiane
14,987.0	USB	ZEN69A	" "	FX	3.5	Telcom
14,989.3	425/50N	TNL77	Brazzaville Aeradio, Congo	FX	5.0	Tfc
14,989.6	525/...e	....	unknown	FX	....	Idling

kHz	Mode	Call	Location	Service	kW	Remarks
14,990.0 - 15,005.0 kHz — STANDARD FREQUENCY & TIME SIGNALS						
14,996.0	CW	RWM	Moscow, USSR	SS	8.0	TIME SIGNALS
15,000.0	A2	LOLI	Buenos Aires, Argentina	SS	2.0	" "
15,000.0	AM	WVWH	Kauai, HI	SS	10.0	" "
15,000.0	A2	ATA	New Delhi, India	SS	8.0	" "
15,000.0	A2	JJY	Tokyo (Sanwa, Ibaraki), Japan	SS	2.0	" "
15,000.0	A2	BSF	Chung-li, Taiwan	SS	5.0	" "
15,000.0	CW	RTA	Novosibirsk, USSR	SS	5.0	" "
15,000.0	AM	WVW	Fort Collins, CO	SS	10.0	" "
15,001.0	CW	EBA	Madrid Radio Naval, Spain	....	Nx reports 1000	
15,004.0	CW	RID	Irkutsk, USSR	SS	1.0	TIME SIGNALS
15,004.2	CW	GOJ	unknown	FX	....	clg MWD
15,005.0 - 15,010.0 kHz — STANDARD FREQUENCY/TIME & SPACE RESEARCH						
15,010.0 - 15,100.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
15,008.0	AM	BPM	Xian, PRC	SS	50.0	TIME SIGNALS
15,008.0	....	....	Salyut Satellites	EH	....	USSR
15,010.0	AM	....	VOICE OF VIETNAM, Hanoi, Vietnam	BC	....	External Service
15,010.0	CW	SOP251	Warsaw, Poland	FX	....	PAP Nx 1400
15,014.3	FLB	....	Huban, Kuwait	FX	....	Egyptian EMBASSY
15,015.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Usually
			AFA3, Andrews AFB, MD; AFL2, Loring AFB, ME; AHF3,			
			Albrook AFS, Panama; AJG9, Incirlik AB, Turkey; AFG37,			
			Scott AFB, IL; AFD14, Ascension Is.; AJO, Adana AB,			
			Turkey; etc.) [May be used for MAINSAIL broadcasts]			
15,018.0	USB	....	unknown	....	....	"SCOTT Airways"
15,019.9	675/50R	....	unknown	FX	....	Tfc/AA
15,020.0	425/50R	....	Damascus, Syria	FX	....	SANA Nx AA 0700-0900
			(Neither broadcast on Fridays)			1200-1500
15,020.0	425/...e	....	unknown	FX	....	Bursts
15,021.0	USB	....	Enkoping, Sweden	FA	....
15,021.0	USB	....	Stockholm Radio, Sweden	FA	5.0	
15,021.0	USB	....	unknown	....	....	wkg AGAR21
15,022.0	USB	....	Jeddah Operations	FA	....
15,022.5	USB	....	numerous, worldwide	FA/MA	....	USN
15,024.0	CW	COL	Havana Aeradio, Cuba	FA/MA	....	Aeroflot
15,024.0	CW	RFNV	Moscow Aeradio, USSR	FA/MA	....	Aeroflot
			(Mostly in-flight to/from Havana)			
15,026.1	850/75R	....	unknown	FX	....	Coded Tfc
15,027.0	USB	....	numerous, worldwide	FA/MA	....	USN
15,027.0	525/50R	....	unknown	FX	....	Coded Tfc
15,029.0	CW	FDG	Bordeaux AB, France	FA	....	French AF
15,029.0	425/50R	BXM62	unknown	FX	....	PRC EMBASSY
15,031.0	USB	....	several, in Canada & Europe	FA	4.0	RCAF (See
			15,035.0 for list of stations)			
15,031.0	USB	....	"ARCHITECT", England	FA/MA	....	RAF
15,031.0	USB	AIF2	Yokota AB, Japan	FA/MA	1.3	USAF
15,034.5	USB	....	numerous, worldwide	FA/MA	....	French AF
15,035.0	USB	CHR	"Trenton Military", Ont., Canada	FA	4.0	RCAF Wx (+30)
		CJX	"St. Johns Military", Nfld., Canada	FA	4.0	RCAF Wx (+40)
		DHM95	"Lahr Military", GFR	FA	4.0	RCAF Wx (+10)
		VXA	"Edmonton Military", Alta., Canada	FA	4.0	RCAF Wx (+20)
15,035.0	USB	AIE2	Andersen AFB, Guam	FA/MA	1.3	USAF
15,036.0	CW	UGE2	Bellingshausen Base, Antarctica	FX	....	USSR (clg C8T)
15,036.0	CW	C8T	Maputo, Mozambique	FX	....	USSR (clg RUZU)
15,038.0	USB	AIF20	Yokota AB, Japan	FA/MA	1.3	USAF
15,040.0	850/...e	....	unknown	FX	....
15,041.0	USB	....	numerous	FA	....	USAF (Used for
			SKY KING broadcasts--some code names for Air Bases--			
			sometimes called SAC "MIKE" frequency			
15,046.0	USB	....	"Cyprus Flight Watch", Cyprus	FA	....	RAF/Wx (+30)
15,046.0	USB	....	Berlin (Schoenefeld)			
15,048.0	B8E	....	numerous, mostly in the USA	FA/MA	....	USAF (Usually
			AFA3, Andrews AFB, MD; AFE8, MacDill AFB, FL and VIP a/c			
			"AIR FORCE ONE" and "AIR FORCE TWO")			
15,049.0	425/50R	BXT9	unknown	FX	....	PRC EMBASSY
15,051.0	USB	....	numerous, worldwide	FA/MA	....	USN
15,053.0	USB	....	several, New Zealand nationwide	FA/MA	....	RNZAF
15,060.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	....	External Service

kHz	Mode	Call	Location	Service	kW	Remarks
15,061.0	USB	....	several, in Japan	FA/MA	...	USN
15,066.0	B8E	CWU3	Lajes Field, Azores	FA/MA	5.0	USAF
15,075.5	850/...e	....	unknown	FX	....	Idling
15,081.0	USB	....	numerous, worldwide	FA/MA	....	USCG/USN
15,084.0	USB	....	numerous, mostly USA nationwide	FA/MA	....	USCG/USN [Parti- cularly used by helicopters]
15,087.0	USB	....	numerous, mostly USA nationwide	FA/MA	....	USCG/USN
15,091.0b	USB	V00D0051	unknown	....	....	wkg "Raymond 27"
15,100.0 - 15,600.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
15,450.0 - 16,460.0 kHz — FIXED SERVICE (Worldwide)						
15,384.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
15,450.0	USB	VDD	Debert, NS, Canada	FX	10.0	C. Forces
15,450.0	425/50R	BPI67	Beijing, PRC	FX	10.0	
15,450.0	CW	....	unknown	FX	....	Coded Tfc
15,455.0	F7B	CLN480	Havana (Bauta), Cuba	FX	60.0	Tfc/Moscow
15,455.0	425/50N	FTP45	Paris (St. Assise), France	FX	20.0	AFP
15,460.0	850/50N	JAL25	Tokyo, Japan	FX	5.0	Nx
15,461.4	425/50R	BAP55	Beijing, PRC	FX	2.0	XNA
15,462.0	425/50N	....	Tripoli, Libya	FX	....	JANA Nx EE 0800-1000 [Beamed to the Middle East & Asia] Nx FF 1015-1200 Nx FF 1730-1930 [Beamed to Central & South America]
15,462.5	USB	6YF21	Kingston (Coopers Hill), Jamaica	FX	1.0	
15,465.0	CW	RCV	Moscow Naval, USSR	FX	....	Russian Navy
15,470.0	425/50R	BAS52	Beijing, PRC	FX	10.0	Tfc/Damascus
15,470.0	CW	CAN6D	Punta Arenas (Montalva) R., Chile	FX	0.5	Meteo/Reported wx broadcast at 2200
15,472.0	850/50N	BCN34	Taipei, Taiwan	FX	7.5	Tfc/San Francisco
15,473.6	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam, plus transportables) [Alt: 12,173.6 & 18,196.1]
15,474.0	AM	LRA36	unknown, possibly Argentina	....	....	clg Esperaza Base
15,478.0	425/50R	YZG4	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG [Beamed to the Far East]
15,480.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
15,480.0	425/50R	HMN56	Pyongyang (Jungsan), North Korea	FX	20.0	KCNA Nx EE 2130-2300 [Beamed to Eastern North America]
15,481.3	250/50N	....	Algiers, Algeria	FX	....	APS Nx EE 1000-1200 (Not on Fridays) [Beamed to Eastern Europe] FX APS Nx FF 1200-1300 (Not on Fridays) [Beamed to the Middle East] Nx EE 1300-1400 1500-1600 (Not on Fridays) [Beamed to Eastern Europe]
15,485.0	B9W	AID20	Kadena AB, Okinawa, Japan	FX	2.5	USAF
15,490.0	LSB	RUC27	Kiev, Ukrainian SSR	FX	20.0	Feeder for Radio Orbita-1
15,492.5	CW	↑KKN50	Washington, DC	FX	10.0	EMBASSY
15,492.5	850/75Rc	....	unknown, possibly in Africa	FX	....
15,494.0	850/50R	3SK	Huangpu Naval, PRC	FX	5.0	PRC Navy
15,495.0	F7B	RCV27	Moscow, USSR	FX	20.0	
15,496.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
15,497.0	CW	↑CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
15,497.6	425/50N	CAI7E	Easter Island	FX	....	[ISA] Meteo
15,500.0	*850/50R	TUR19	Abidjan, Ivory Coast	FX	0.8	Rumanian EMBASSY
15,500.0	850/...e	....	numerous, worldwide	FX	....	USN
15,502.5	CW	AYA501	Buenos Aires, Argentina	FX	1.0	INTERPOL [Dis- tribution of INTERPOL Bulletins to Brasilia, Caracas, La Paz, Lima, Santiago & Sao Paulo]
15,502.5	170/50N	....	Helsinki, Finland	FX	1.0	INTERPOL
15,502.5	170/FEC	FSB73	Paris (St. Martin Abbat), France	FX	2.5	"
15,502.5	F1B	CSJ27	Lisbon, Portugal	FX	1.0	"
15,502.5	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
15,505.0	425/50R	OLS2	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 1900-1930 (Sundays, only) [Beamed to Africa & the Far East]

kHz	Mode	Call	Location	Service	kW	Remarks
						CTK Nx EE 1930-2030
						[Beamed to the Far East & Africa]
15,507.0	425/50N	†TNL79	Brazzaville Aeradio, Congo	AX	2.0	Tfc/Dakar
15,508.5	425/50R	SOP250	Warsaw, Poland	AX	20.0	PAP Nx EE 0600-0630 (Not on Sundays) Nx FF 1700-1730
						[Beamed to the Middle East]
15,510.0	B9W	AIC20	Clark AB, Philippines	FX	20.0	USAF
15,510.0	CW	SOP251	Warsaw, Poland	FX	20.0	PAP Nx 1800-1900 (To Fishing Fleet)
15,510.0	425/50R	SOP251	Warsaw, Poland	FX	20.0	PAP
15,515.0	USB	5HF71	Dar es Salaam, Tanzania	FX	2.5	
15,515.0	850/75R	....	numerous, worldwide	FX	....	USAF MARS
15,518.0	425/50N	CLN482	Havana (Bauta), Cuba	FX	80.0	
15,520.0	425/50R	BAK65	Beijing, PRC	FX	80.0	XNA
15,520.0	425/50R	BCO45	Shanghai, PRC	FX	15.0	Tfc/Rome
15,524.0	CW	†NPM	NAVCOMMSTA Pearl Harbor, HI	FX	15.0	[HCMF] USN
15,527.0	USB	KFK92	Kitts Peak (Tucson), AZ	FX	1.0	Tfc/Chile
15,528.5	425/75N	....	Delano, CA	FX	40.0	USIA
15,528.5	425/75N	....	Dixon, CA	FX	40.0	USIA
15,530.0	F7B	BCA24	Shanghai, PRC	FX	15.0	Tfc/Prague
15,531.8	700/50R	....	unknown, probably in Middle East	FX	....	AA text
15,535.0	USB	....	Tula, USSR	FX	50.0	R. Moscow Feeder
15,540.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
15,542.0	850/75N	KNY24	Washington, DC	FX	1.0	EMBASSY
15,544.0	425/50R	BZS25	Wulumuqi, PRC	FX	40.0	XNA Nx FF
15,544.0	375/75N	....	unknown	FX	....	(also data)
15,545.0	USB	ROW23	Moscow, USSR	FX	15.0	R. Moscow Feeder
15,546.0	425/50R	BAL35	Beijing, PRC	FX	15.0	Tfc/EUR
15,546.0	425/50R	....	Pyongyang, North Korea	FX	....	KCNA Nx EE 0330-0500 0800-0830 2200-0100 [Non-directional]
15,548.6	USB	....	Atlantic Domestic Emergency Net NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC) [Alt: 12,124.6 & 18,196.1]	FX	....	USCG (Includes: BTX Nx EE 1300-1345 (Not on Sundays) [Beamed to Asia]
15,550.0	850/...e	SXA	Spata Attikis Naval, Greece	FX	1.0	Greek Navy/NATO
15,555.0	425/50	LZP1	Sofia, Bulgaria	FX	15.0	BTX Nx EE 1300-1345 (Not on Sundays) [Beamed to Asia]
15,556.0	F7B	CLN483	Havana (Bauta), Cuba	FX	20.0	Tfc/Paris
15,558.0	425/50R	SOP255	Warsaw, Poland	FX	20.0	Tfc/New York
15,560.0	F7B	RSR26	Tbilisi, Georgian SSR	FX	20.0	
15,564.0	CW	SOP256	Warsaw, Poland	FX	20.0	PAP Nx 1400-1500
15,564.0	FAX			FX	20.0	PAP Nx
			Wednesdays, only: 1000-1030			(To Fishing Fleet)
15,564.0	425/50Rc	SOP256	Warsaw, Poland	FX	20.0	PAP Nx RR 0300-0330 [Beamed to ships in the South Atlantic Ocean]
15,566.0	425/50R	FDY	Orleans Air, France	FX	....	French AF
15,566.0	F1B	†RTC26	Novosibirsk, USSR	FX	5.0	Meteo
15,568.0	CW	ETO57	Addis Ababa, Ethiopia	FX	0.5	Ghana EMBASSY
15,568.0	425/50N	FXC78	Cayenne Aeradio, French Guiana	AX	5.0	Tfc/Guadeloupe
15,568.0	425/75N	4UA	Rawalpindi, Pakistan	FX	1.0	UN
15,570.0	LSB	S7Q73	Victoria, Seychelles	FX	7.5	Telcom
15,570.0	AM	....	SWISS RADIO INTERNATIONAL	BC	250.0	External Service
15,575.0	425/75R	....	Tirana, Albania	FX	....	Tfc
15,575.0	AM	....	RADIO PYONGYANG, North Korea	BC	100.0	External Service
15,575.0	USB	†....	Riyadh, Saudi Arabia	FX	....	Feeder
15,575.0	850/50N	4QO74	Colombo, Sri Lanka	FX	20.0	Tfc
15,575.0	425/50R	REN30	Moscow, USSR	FX	15.0	Bakhtar Nx EE (Not on Saturdays) 0415-0545 [Beamed to Southeast Asia]
15,575.0	USB	†4MJ4	Caracas, Venezuela	FX	5.0	Telcom
15,576.0	170/75N	CUW	Lajes Field, Azores	FX	....	USAF
15,578.0	F1B	AXI	Darwin, N.T., Australia	FX	....
15,580.0	850/...e	SXA	Spata Attikis Naval, Greece	FX	3.0	Greek Navy/NATO
15,580.0	425/50R	REM58	Nikolayev, Ukrainian SSR	FX	50.0	TASS [Beamed to Africa]
15,582.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
15,582.0	F7B	BAX69	Beijing, PRC	FX	40.0	Tfc/Paris

kHz	Mode	Call	Location	Service	kW	Remarks
15,582.1	B8E	9HC72	Malta	FX	6.0	Telcom/Tfc
15,585.0	850/50N	9VC72	Singapore	FX	5.0	
15,586.0	B9W	CSE4	Lajes Field, Azores	AX	10.0	Port. AF
15,589.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
15,590.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	240.0	External Service
15,590.0	425/50R	BCT26	Shanghai, PRC	FX	15.0	
15,590.0	850/75Re	NGR	NAVCOMMSTA Nea Makri, Greece	FX	5.0	USN
15,590.0	F7B	RSF5	Vilyuyusk, USSR	FX	60.0	
15,592.0	425/50R	BZT37	Wulumuqi, PRC	FX	10.5	XNA
15,592.0	170/50N	FSB75	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
15,592.0	170/50N	CSJ27	Lisbon, Portugal	FX	1.0	"
15,592.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
15,595.0	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
15,595.0	USB	V3F	Berlin (Nauen), GDR	FX	20.0	DP/Telcom
15,595.0	425/50R	V3F	"	FX	20.0	DP
15,595.0	850/....e	....	numerous, Pacific Ocean area	FX	....	USN
15,595.5	USB	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabian
				EMBASSY [Alt: 14,74	.5 & 17,448.5]	

15,600.0 - 16,360.0 kHz — FIXED SERVICE (Worldwide)

15,601.7	425/75R	OEM75	Vienna Aeradio, Austria	FX	5.0	Tfc/Meteo
15,602.5	LSB	RBM76	Moscow, USSR	FX	15.0	Feeder for MAYAK
15,604.0	850/75N	†ZL061	Irirangi Naval, New Zealand	FX	10.0	RNZ Navy
15,605.0	B8E	FTP60	Paris (St. Assise), France	FX	15.0	Telcom/Africa
15,605.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....
15,610.0	B8E	VLN	Sydney (Doonside), NSW, Australia	FX	10.0	Telcom/Nauru
15,614.0	850/50R	BAM75	Beijing, PRC	FX	15.0	XNA
[Beamed to Southeast Asia]						
15,615.0	FAX	AXI35	Darwin, NT, Australia	FX	5.0	Meteo (2100-0800)
15,615.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....
15,615.0	F7B	RUD51	Vladivostok, USSR	FX	20.0	APN
15,620.0	170/50N	HDN	Quito Naval, Ecuador	FX	....	Ecuadorian Navy
15,620.0	850/50N	JAL85	Osaka, Japan	FX	5.0	
15,620.5	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	4.0	USAF/Meteo
15,623.5	USB	†KUQ20C	Pago Pago, American Samoa	FX	2.0	Telcom
15,624.0	*J7B	SRZ933	Warsaw, Poland	FX	X27	EMBASSY (to England)
15,625.0	F1B	NPN	NAVCOMMSTA Barrigada, Guam	FX	....	USN
15,625.0	F7B	†ROW22	Moscow, USSR	FX	15.0	TASS Feeder to XNA
				(second channel is for telegrams)		
15,625.0	425/50R	RPT35	Tashkent, Uzbek SSR	FX	80.0	TASS
[Beamed to Southeast Asia]						
15,627.0	USB	70B45	Aden, Yemen PDR (South)	FX	0.5	British EMBASSY
15,628.5	*850/50N	CTW32	Monsanto Naval, Portugal	FX	10.0	Port. Navy
15,630.0	850/50N	4Q075	Colombo, Sri Lanka	FX	10.0	Tfc/Karachi
15,630.0	B8E	HSP27	Bangkok (Laki), Thailand	FX	10.0	Telcom/Tokyo
15,630.0	425/75Re	RWM72	Moscow, USSR	FX	20.0	APN
15,630.0	425/....e	....	unknown	FX	....	Idling
15,631.6	1000/....e	....	unknown	FX	....
15,632.0	USB	....	numerous, worldwide	FX	....	USAF/MARS (In-
cludes AGA1HA, Hanscom AFB, MA; AGA2LA, Langley AFB, VA AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGA5MC, McChord AFB, WA, AGA6TR, Travis AFB, CA; AGA8HI, Hickam AFB, HI; AIR, Pentagon (Andrews AFB, MD), VA, etc.)						
15,632.2	425/50R	HMH21	Pyongyang (Jungsan), PDR Korea	FX	20.0	KCNA Nx EE 0400-0530
15,632.2	425/50Rc					Nx RR 0600-0800
[Beamed to Europe]						
15,632.2	425/50R					Nx EE 0830-1000
[Beamed to North Africa]						
Nx EE 1030-1200						
(Not on Sundays) Nx FF 2130-2400						
[Beamed to Europe]						
15,633.0	FAX	HMH21	Pyongyang (Jungsan), North Korea	FX	15.0	KCNA Nx 0030-0100
[Beamed to Europe]						
15,633.0	850/75	AOK	NS Rota, Spain	FX	....	USAF/USN
15,634.7	375/50R	....	unknown	FX	....
15,635.0	B8E	5TN277	Nouakchott, Mauritania	FX	....	Telcom
15,636.0	F7B	UWFW	Chernigov, Ukrainian SSR	FX	60.0	
15,640.0	USB	†....	Beijing, PRC	FX	....	PRC Feeder

kHz	Mode	Call	Location	Service	kW	Remarks
15,640.0	425/75N	RKD	Moscow, USSR	FX	15.0	APN Nx EE 0800-1200 (Irregular Schedule)
15,642.7	850/50R	ZRH83	Cape (Fisantekraal) Naval, RSA	FX	10.0	RSA Navy
15,643.0	425/50R	9KT331	Huban, Kuwait	FX	10.0	↑ KUNA Nx EE 1000-1300 ↑ 1600-1800 [Beamed to the Far East]
15,643.0	USB	....	Moscow, USSR	FX	....	Telcom
15,643.6	USB	SGO26	Stockholm, Sweden	FX	7.0	Tfc/Shanghai
15,644.0	FAX	VFF	Probishier CG Radio, NWT, Canada	FX	....	Meteo (July-Oct)
15,644.0	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
15,644.4	850/45R	"AKDB"	unknown	FX	....	clg "PYAH"
15,645.0	850/....	GYB	London (Northwood) Naval, England	FX	5.0	British Navy
15,645.0	850/75N	ZKX	Auckland Naval, New Zealand	FX	10.0	RNZ Navy
15,645.0	850/50N	SDQ6	Stockholm (Varberg), Sweden	FX	35.0	Tfc/Far East
15,645.5	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
15,647.0	375/50N	9KT331	Huban, Kuwait	FX	10.0	KUNA Nx AA 1400-1700 [Beamed to the Far East]
15,648.0	F1B	HMS63	Pyongyang (Bosong), PDR Korea	FX	15.0	KCNA [Beamed to Southeast Asia]
15,650.0	F7B	RCV28	Moscow, USSR	FX	20.0	
15,650.0	425/75R	RN9	Petrozavodsk, USSR	FX	50.0	TASS [Beamed to Cuba & South America]
15,652.0	LSB	....	Greenville, NC	FX	50.0	UN Nx Feeder Mostly EE 0000-0100 [Beamed to South America]
15,652.5	325/50N	FTP65A	Paris (Le Vernet), France	FX	20.0	AFP Nx PP 1000-0600 [Beamed to Brazil]
15,654.9	425/50R	CNM65/1X	Rabat (Tanger), Morocco	FX	15.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700 [Non-directional]
15,654.9		CNM65/1X	unknown	....	....
15,655.0	CW	"U"	unknown	RC	....	Beacon
15,657.0	CW	ONN32	Brussels, Belgium	FX	1.0	Turkish EMBASSY
15,658.0	250/....	....	unknown	FX	....	Coded Tfc/Data
15,659.0	425/75N	RFFIK	Papeate, Tahiti	FX	....	wkg Diram, Malaysia
15,660.0	USB	5TN205	Nouakchott, Mauritania	FX	....	Telcom
15,660.0	850/50N	OCB44	Lima, Peru	FX	40.0	Tfc/Havana
15,660.0	425/75R	....	unknown, in the USSR	FX	....	APN Nx EE 0500-0900 Bakhtar Nx FF 0835 APN Nx RR 1400-1500
15,660.0	425/75Rc					
15,662.5	425/50N	FXG78	Le Raizet Aeradio, Guadeloupe	AX	5.0	Tfc/Cayenne
15,664.0	850/75N	KWK97	Warsaw, Poland	FX	1.0	USA EMBASSY
15,665.0	425/50N	S2D	Dhaka Aeradio, Bangladesh	AX	....	[DBA] Tfc/Bangkok
15,665.0	USB	HZQ566	Riyadh, Saudi Arabia	FX	20.0	Feeder
15,665.0	USB	....	Stockholm Aeradio, Sweden	FA	7.0	
15,667.0	*475/50R	FDY	Orleans Air, France	FX	....	French AF
15,670.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
15,670.0	850/50R	HGM36	Budapest, Hungary	FX	15.0	MTI Nx SS 1600-1645 (Not on Sundays) [Beamed to Central America]
15,670.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
15,673.0	350/....	....	unknown	FX	....	Idling (also data)
15,673.5	425/50N	DZM66	Manila, Philippines	FX	....	AFP Nx FF 0800-0940 1000-1040 1100-1240 1400-1440 ("Emission ASO") [Non-directional] 2300-0200 ("Emission SEA") [Non-directional]
15,675.0	LSB	APH3	Albrook AFS, Panama	FX	3.0	USAF
15,675.0	425/50R	RTJ	Vladivostok, USSR	FX	5.0	
15,677.5	850/75R	....	unknown	FX	....
15,682.0	B8E	FTP68	Paris (St. Assise), France	FX	20.0	Telcom
15,684.0	170/ARQ	FSB	Paris (St. Martin Abbat), France	FX	1.5	INTERPOL
15,684.0	170/ARQ	DEB	Weisbaden, GFR	FX	5.0	"
15,684.0	CW	8UF75	New Delhi, India	FX	5.0	"
15,684.0	*170/50N	JPA62	Nagoya (Komaki), Japan	FX	10.0	"
15,684.0	CW	....	Seoul, South Korea	FX	5.0	"
15,687.0	USB	"AF1"	"AIR FORCE 2" (in flight)	MA	....	USAF VIP a/c
15,688.0	425/50R	BZB85	Wulumuqi, PRC	FX	10.5	XNA [Beamed to Europe]

kHz	Mode	Call	Location	Service	kW	Remarks
15,688.0	850/50Rc	YOP26	Bucharest (Urziceni), Rumania	FX	10.0	AGERPRES
15,688.0	CW	RMP	unknown, probably USSR	...	....	wkg UHHY & RMSZ/Coded Tfc
15,690.0	170/50R	CME348	Havana, Cuba	FX	1.0	Rumanian EMBASSY
15,690.0	USB	ZKY	Palmerston North, New Zealand	FX	5.0	Telcom/Melbourne/ Emergency
15,690.0	F7B	RCS9	Gomel, White Russian SSR	FX	60.0	
15,690.0	425/50R	RWM75	Moscow, USSR	FX	20.0	[RSI] Tfc/Israel
15,690.0	F1B	RWM75	Moscow, USSR	...	....
15,690.2	425/50R	RNP72	Moscow, USSR	FX	...	Tfc/4XA83
15,693.5	475/50N	ISX56	Rome, Italy	FX	10.0	ANSA Nx EE 1500-1600 ANSA Nx FF 1800-1900 2000-2100 [Beamed to the Middle East]
15,696.5	425/96M	CLN484	Havana (Bauta), Cuba	FX	100.0	Tfc/Moscow
15,696.5	425/96.25	CLN484	Havana, Cuba			
15,700.0	425/50R	BZG45	Wulumuqi, PRC	FX	40.0	XNA Nx FF 1430-1545 [Beamed to Africa]
15,700.0	CW	"U"	unknown	RC	....	Beacon
15,703.5	425/50N	9XK80	Kigali, Rwanda	FX	0.8	DW Talkback
15,704.0	CW	TKNY21	Washington, DC	FX	1.0	Yugoslav EMBASSY
15,704.0	CW	TKNY23	Washington, DC	FX	1.0	Czech EMBASSY
15,705.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY [Alt: 7445.0 & 18,247]
15,705.0	525/50R	YZJ6	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx FF 0900-1000, 1100-1300 & 1500-1600 (Not on Sundays) 1100-1200 [Non-directional]
15,705.0	CW	"U"	unknown	RC	....	Beacon
15,705.9	525/....	....	unknown	FX	....
15,710.0	425/50R	RWN76	Moscow, USSR	FX	20.0	TASS [Beamed to the Middle East]
15,710.0	AM	....	CPBS, Beijing, PRC	BC	10.0	Taiwan Service
15,710.6	850/75N	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
15,712.0	425/50N	9HY15	Cyclops, Malta	FX	....	DW Talkback
15,715.0	425/50N	LZI3	Rousse, Bulgaria	FX	....	Tfc/Beijing
15,715.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
15,716.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
15,718.0	CW	ZBP	Pitcairn Island	FX	0.7	Tfc/Suva
15,720.0	425/50Rc	RWN74	Moscow, USSR	FX	15.0	APN Nx RR
15,720.0	LSB	RWN74	Moscow, USSR	FX	15.0	R. Moscow Feeder
15,721.2	350/....	....	unknown	FX	....	Idling
15,723.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: AOB50, Estartit, Spain; NCI, Sellia Marina, Italy; NCI3, Lampedusa, Italy & NCI4, Kargaburun, Turkey) [Alt: 13,665.5 & 16,044.5]
15,724.0	FAX	ISX57	Rome (Santa Rosa), Italy	FX	3.0	ANSA Nx
15,724.0	F1B	ISX57	Rome (Santa Rosa), Italy			SEAFrica 1500-1600 (N. Su 1900-2000 (N. Su
15,724.0	F1B					
15,724.2	425/50R	HGX21	Budapest, Hungary	FX	....	EMBASSY
15,726.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY [Alt: 15,870.0]
15,726.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
15,726.0	850/50N	YKW113	Damascus, Syria	FX	5.0	[SYA Tfc/Berlin, GDR
15,727.5	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
15,730.0	CW	AWB	Bombay, India	AX	2.5	
15,731.0	425/50R	....	Khartoum, Sudan	FX	....	SUNA Nx AA 1000-1100 1400-1500 1700-1800 [Beamed to the Middle East]
15,731.0						.... PANA Nx from Khartoum 1200-1400, 1500-1600, 1700-173
15,731.0	F1B	....	unknown			SUNA Nx AA 1000-1100, 1400-1500 & 1700-1800
15,733.5	425/50R	CLN485	Havana (Bauta), Cuba	FX	20.0	Tfc/Conakry
15,734.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
15,734.0	USB	AGB4	Wake Island	FX	1.0	USAF
15,735.0	CW	AWB	Bombay Aeradio, India	AX	....	Tfc/70C
15,735.0	B8E	6VK815	Dakar, Senegal	FX	6.0	Telcom
15,737.0	USB	....	Gilbraltar	FX	....	RAF
15,738.0	CW	HKV0	Bogota, Colombia	FX	....	INTERPOL
15,738.2	CW	AYA26	Buenos Aires, Argentina	FX	5.0	INTERPOL [Bul-

kHz	Mode	Call	Location	Service	kW	Remarks
letins to South American capital cities--some answerback from: PPC, Brasilia, Brazil; HK3M, Bogota, Colombia; ZPZ, Asuncion, Paraguay; OAV86, Lima, Peru & YVZ3, Caracas, Venezuela						
15,738.2	CW	GMP	London (W. Wickham), England	FX	20.0	INTERPOL
15,740.0	F7B	REB26	Alma Ata, USSR	FX	10.0	Royal Australian Army
15,740.3	850/50N	VMA	Diggersrest, Vic, Australia 14	FX	1.0	Telcom/Cayenne
15,741.2	LSB	FZF57	Fort de France, Martinique	FX	10.0	VNA Nx EE 0700-0900
15,744.0	425/50R	VNA5	Hanoi, Vietnam			FF 0515-0700 EE 1900-1945 [Non-directional]
(This station apparently also used for EMBASSY Tfc)						
15,744.0	425/50R	....	Pyongyang, PDR Korea	FX	....	Vietnam EMBASSY
15,745.0	850/50N	CVM6	Montevideo, Uruguay	FX	10.0	
15,750.0	425/75R	CME327	Havana, Cuba	FX	1.0	Czech EMBASSY
15,750.0	425/50R	RWM73	Moscow, USSR	FX	15.0	Tfc
15,752.0	B8E/B9W	....	Greenville, NC	FX	50.0	USIA Nx EE/FF
2330-0530 ("African File")						
15,754.0	425/50R	1XVN85	Hanoi, Vietnam	FX	5.0	
15,754.5	CW	MKD	Akrotiri, Cyprus	FX	10.0	DCN
15,755.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
15,755.0	CW	#DN	Nandi, Fiji	AX	5.0	
15,757.5	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
15,760.0	LSB	GYU	Gibraltar Naval	FX	10.0	British Navy
15,760.0	B8E	9JA60	Lusaka, Zambia	FX	6.0	Tfc/Luanda
15,763.5	850/75Nc	....	unknown	FX	....
15,765.0	850/...e	NWC	NAVCOMMSTA Nw Cape, WA, Australia	FX	10.0	USN
15,766.0	425/50R	BZM35	Wulumuqi, PRC	FX	40.0	Tfc/Africa
15,767.0	F7B	WZLO	Velikiye Luki, USSR	FX	60.0	
15,767.5	850/50N	CCS	Santiago Naval, Chile	FX	....	Chilean Navy
15,768.3	500/50R	....	Pyongyang, PDR Korea	FX	....	EMBASSY
15,770.0	F7B	BBM25	Shanghai, PRC	FX	15.0	Tfc/EUR
15,770.0	425/50R	ULV	Moscow, USSR	FX	25.0	
15,770.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
15,771.4	CW	CCS	Santiago Naval, Chile	FX	....	Chilean Navy
15,775.0	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
15,776.0	170/75N	CUW	Lajes Field, Azores	FX	....	USAF
15,776.0	850/50	ZRH93	Cape (Fisantekraal) Naval, RSA	FX	10.0	RSA Navy
15,776.8	B9W	5TA20	Nouadhibou, Mauritania	FX	6.0	Tfc/Paris
15,777.0	850/...e	....	unknown	FX	....	Idling
15,778.0	CW	WFM55	New York, NY	FX	50.0	Tfc
15,779.8	USB	RWM71	Moscow, USSR	FX	20.0	R. Moscow Feeder
15,780.0	CW	ZPG57	Asuncion, Paraguay	FX	1.0	Tfc/Buenos Aires
15,780.0	170/ARQ	ELE15	Harbel, Liberia	FX	....	Tfc/Akron
15,780.0	F7B	RWM71	Moscow, USSR	FX	20.0	
15,780.0	170/ARQ	WQB35	Akron, OH	FX	15.0	Tfc/Harbel
15,780.8	250/50R	GYU	Gibraltar Naval	FX	10.0	British Navy
15,781.5	170/ARQ	....	Ankara, Turkey	FX	....	Italian EMBASSY
15,782.5	425/50R	XDA184	Mexico City, DF, Mexico	FX	10.0	ANSAMEX
15,785.0	FAX	WFM55	New York, NY	FX	50.0	UPI Nx
15,785.2	425/50N	IRN37	Rome (Torrenova), Italy	FX	30.0	Tfc
15,786.0	425/50R	CLN486	Havana (Bauta), Cuba	FX	30.0	Tfc/Buenos Aires
15,790.0	F7B	CYA3	Warsaw, Poland	FX	1.0	Greek EMBASSY
15,790.0	F7B	RQW22	Tashkent, Uzbek SSR	FX	20.0	
15,792.0	B9W	D6B358	Moroni, COM	FX	7.0	Tfc/Paris
15,792.0	LSB	....	Vandenberg AFB, CA	FX	....	USAF/AFSC
[Frequently uses callsigns starting with Abnormal"]						
15,793.0	USB	....	unknown	....	....	"RIOT CONTROL"
15,793.2	F7B	BCI35	Shanghai, PRC	FX	15.0	Tfc/EUR
Channel A 850 Hz FSK: Channel B 400 Hz FSK						
15,796.0	850/50N	5TP292	Nouakchott, Mauritania	FX	1.0	Tfc/Tripoli
15,800.0	B8E	VNV56	Sydney (Doonside), NSW, Australia	FX	30.0	Telcom/Colombo
15,802.0	475/75Rc	....	unknown	FX	....
15,804.0	CW	1KNY20	Washington, DC	FX	1.0	Polish EMBASSY
15,805.0	LSB	FTP80	Paris (St. Assise), France	FX	20.0	Telcom
15,805.0	425/50Rc	UVD2	Magadan, USSR	FX	5.0	Tfc/Vladivostok
15,805.0	425/50Rc	RTJ	Vladivostok, USSR	FX	5.0	
15,806.0	170/ARQ	....	Rome, Italy	FX	....	EMBASSY
15,807.0	USB	AGA8HI	Hickam AFB, HI	FX	2.0	USAF/MARS
15,807.0	B9W	....	several, Pacific Ocean area	FX	....	US Army

kHz	Mode	Call	Location	Service	kW	Remarks
15,808.5	*F1B	AGA6TR	Travis AFB, CA	FX	2.0	USAF/MARS
15,808.5	*F1B	AGA8HI	Hickam AFB, HI	FX	2.0	" "
15,808.5	*F1B	AGA8PP	Pago Pago, American Samoa	FX	2.0	" "
15,810.0	850/50N	P2A2	Port Moresby, Papua New Guinea	FX	0.4	Tfc/Townsville
15,810.0	250/75Nc	....	unknown	FX	....
15,811.3	170/ARQ	....	Ankara, Turkey	FX	....	Italian EMBASSY
15,815.0	850/50N	9VC74	Singapore	FX	3.0	
15,815.0	375/...e	....	unknown	FX	....
15,816.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
15,818.0	425/50R	CLN487	Havana (Bauta), Cuba	FX	20.0	Tfc/Warsaw
15,820.0	850/50R	BAY54	Beijing, PRC	FX	15.0	Tfc/Moscow
15,820.0	LSB	NAW38	NAVCOMMSTA, Guantanamo, Cuba	FX	....	Telcom/Tfc
15,823.5	CW	WFL35	New York, NY	FX	60.0	UPI Nx
15,830.0	FAX	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
15,830.0	425/50N	RUZU	" " "	FX	....	[RUML] USSR
15,830.0	425/50R	BBB31	Shanghai, PRC	FX	5.0	Tfc/Sydney
(Daily 0700-0720 & 1500-1520)						
15,831.0	F1B	....	unknown	....	....	SUNA Nx AA 1000-1100, 1400-1500 & 1700-1800
15,831.7	170/ARQ	...	unknown	FX	....	Italian EMBASSY
15,832.0	B8E	↑TJF58	Douala, Cameroon	FX	20.0	Telcom
15,832.0	CW	....	unknown, possibly in Sri Lanka	FX	....
15,832.0	425/50R	XVG64	Ho Chi Minh City, Vietnam	FX	2.0	Tfc/Singapore
15,835.5	B8E	JBL55	Tokyo, Japan	FX	20.0	Telcom/Tfc
15,839.9	B8E	3XF26	Conakry, Guinea	FX	6.0	Telcom/Tfc
15,844.4	675/50R	SUA289	Cairo, Egypt	FX	10.0	MENA Nx AA 0600-2400
						[Non-directional]
15,845.0	425/50R	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
15,845.0	USB	VLV	" " "	FX	5.0	"
15,845.0	*USB	VLZ	Davis Base, Antarctica	FX	1.0	"
15,845.0	850/50N	VNJ	Casey Base, Antarctica	FX	10.0	"
15,845.0	USB	VNJ	" " "	FX	10.0	"
15,845.0	USB	VNM	Hobart (Kingston) Tas., Australia	FX	1.0	"
15,849.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
15,849.0	CW	....	unknown	FX	....
15,855.0	950/50N	....	Khabarovsk, USSR	FX	....	Meteo
15,855.2	850/50N	....	unknown, probably in Middle East	FX	....	AA text
15,856.0	425/50Rc	BAY5	Beijing, PRC	FX	15.0	XNA Nx RR 0400-2400
						[Beamed to Moscow for TASS]
15,860.0	425/...e	....	unknown	FX	....	Idling
15,862.0	425/50R	BAL8	Beijing, PRC	FX	25.0	
15,863.0	425/50R	OPD35	Helsinki (Nummela), Finland	FX	20.0	Tfc
15,865.0	425/50R	RBK79	Moscow, USSR	FX	20.0	Bakhtar Nx EE
(Not on Saturdays) 0415-0545						[Beamed to the Middle East]
						TASS Nx FF 1000
						TASS Nx SS 1800
15,866.5	850/75Rc	RCC78	Moscow, USSR	FX	15.0	Tfc
15,870.0	USB	....	Lyndhurst, Australia	FX	....	R. Australia
						Feeder
15,870.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
15,870.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
15,871.0	425/...e	....	unknown	FX	....	Idling
15,871.5	850/75Rc	....	unknown	FX	....
15,873.5	425/...e	....	unknown	FX	....	Idling
15,874.0	*425/50R	"P62"	Paris, France	FX	....	EMBASSY
15,875.0	425/75N	....	Monrovia, Liberia	FX	40.0	USIA Nx EE
						2330-0530 ("African File")
15,875.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes
						NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3,
						Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam;
						NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 13,608.6 & 15,922.0]
15,876.0	425/50R	CLN488	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
15,880.0	AM	....	CPBS, Beijing, PRC	BC	25.0	Taiwan Service
15,880.0	AM	↑....	RADIO BEIJING, Shanghai, PRC	BC	500.0	External Service
15,880.0	850/50N	JAM45	Tokyo, Japan	FX	5.0	
15,880.0	CW	"JZT"	unknown	FX	....	Tfc
15,888.0	375/50N	9KT332	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300 1600-1800
						[Beamed to the Far East]

kHz	Mode	Call	Location	Service	kW	Remarks
15,888.0		....	Kuwait	...	....
15,890.2	F7B	RBI79	Moscow, USSR	FX	15.0	Tfc/TASS Nx AA 1200
15,892.0	375/50N	9KT322	Huban, Kuwait	FX	10.0	KUNA NX AA 0700-1100 1400-1700 [Beamed to the Far East]
15,892.0	F1B	....	Kuwait	....	
15,894.0	425/50N	6VU81	Dakar Aeradio, Senegal	AX	5.0	Tfc/Brazzaville
15,895.0	425/50R	....	Jakarta, Indonesia	FX	....	EMBASSY Nx 0815-off
15,897.5	425/50N	OLS4	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 1230-1300 (Neither of the above newscasts on Sundays) 1500-1600 (Sundays, only) 1600-1700 [Beamed to the Far East]
15,900.0	850/...e	....	unknown	FX	....
15,901.3	425/75N	GfH	COMMEN Hong Kong	FX	....	[RBDTYR] British Navy
15,904.1	CW	↑RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
15,905.0	425/50Rc	↑RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR
15,908.0	425/50N	WEY35	New York, NY	FX	50.0	AFP Nx SS 1000-0100 [Beamed to Central America and northern South America]
15,910.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
15,911.0	425/50R	Y7A61	Berlin (Nauen), GDR	FX	20.0	ADN/EMBASSY
15,914.0	325/...e	....	unknown	FX	....
15,917.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
15,918.0	425/50N	↑....	Jakarta, Indonesia	FX	....	EMBASSY [Diplo- (Not on Sundays) matic Nx EE & Indonesian 0800-1230]
15,920.0	CW	CFH	Maritime Radio, Halifax, NS, Canada	FX	10.0	NAWS (Canadian Forces)
15,920.0c	B8E	DEP92	Frankfurt, GFR	FX	20.0	Telcom (Has been used as a Deutsche Welle feeder)
15,922.0	B9W	LCQ2	Jeloey, Norway	FX	10.0	
15,922.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 15,875.0)
15,925.0	B9W	NPO	NAVCOMMSTA Luzon, Philippines	FX	5.0	USN
15,926.0	850/50R	BZC73	Wulumuqi, PRC	FX	25.0	XNA [Beamed to the Middle East]
15,929.8	850/50R	RBI78	Moscow, USSR	FX	15.0	Bakhtar Nx EE 0415-0545 (Not on Saturdays) [Beamed to Europe & the Middle East] TASS
15,929.8		RBI78	unknown	....	
15,930.0	850/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	40.0	Brazilian Navy
15,933.5	750/...e	....	unknown	FX	....
15,935.0	B8E	FPP93	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
15,937.2	170/50R	....	Havana, Cuba	FX	....	(spur??)
15,938.0	850/50N	GYU	Gibraltar Naval	FX	2.5	British Navy
15,939.8	525/...e	....	unknown	FX	....
15,940.0	*170/ARQ	ELE25	Harbel, Liberia	FX	15.0	Tfc
15,940.0	*170/ARQ	....	Akron, OH	FX	2.5	Tfc/Harbel
15,941.5	FAX	CNL	Kenitra, Morocco	FX	15.0	USN/Meteo
15,945.0	425/50R	CNR91	Rabat (Tangier), Morocco	FX	10.0	MAP
15,945.0	F1B	CME328	Havana, Cuba	FX	1.0	Czech EMBASSY
15,945.2	FAX	JAM55	Tokyo, Japan	FX	5.0	
15,945.5	850/50N	JAM55	Tokyo, Japan	FX	5.0	JiJi Nx EE 0850-0950 (Not on Sundays) [Beamed southwest from Tokyo]
15,946.5	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
15,950.0	CW	JJD2	Tokyo, Japan	FX	10.0	Reported to transmit solar & geomagnetic reports at 0800
15,950.0	FAX	RBI77	Moscow, USSR	FX	15.0	Meteo (0220-1745)
15,953.5	Moore	CLN489	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
15,955.0	*850/50R	3BT4	Plaisance (Vacoas), Mauritius	FX	5.0	[FIMP] Meteo (NOAA reports synoptic observations 0030, 0630, 0930, 1230 & 1830)
15,957.0	B9W	CUA77	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
15,962.0	USB	AFC24	Westover AFB, MA	FX	0.5	USAF
15,962.0	USB	AFG14	Grand Forks AFB, ND	FX	0.5	"
15,962.0	USB	AFH24	March AFB, CA	FX	0.5	"
15,963.0	FSK	Y7A62	Berlin (Nauen), GDR	FX	20.0	EMBASSY
15,963.0	350/50N	Y7A62	" " "	FX	20.0	ADN
15,964.9	475/75Rc	....	unknown	FX	....
15,965.2	170/ARQ	PCW1	The Hague, Netherlands	FX	1.0	EMBASSY
15,966.0	USB	PCW	Jerusalem, Israel	FX	1.0	Dutch EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
15,967.0	425/50R	CLN78	unknown		....
15,967.5	425/75N	PCW	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
15,967.5	170/ARQ	PCW8	Tripoli, Libya			
15,967.5	425/75N	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
15,973.0	F7B	UZT5	Tallinn, Estonian SSR	FX	60.0	
15,977.0	350/50N	FPP97/G	Paris (St. Assise), France	FX	20.0	AFP Nx EE 1715-1900 ("Africa Beams Service") [Beamed to Africa]
15,978.4	350/50N	FPP97/F	Paris (St. Assise), France	FX	20.0	AFP Nx FF 0440-0700 1715-1900 ("Afrigasgar Service") [Beamed to Africa]
15,980.0	425/50R	RWI76	Moscow, USSR	FX	20.0	TASS
15,981.0	170/75R	NRK	NAVCOMMSTA Kefjavik, Iceland	FX	....	USN
15,982.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FX	....	NOAA reports wx broadcasts at 0030, 0430 & 1330
15,983.0	*425/50R	SOP298	Warsaw, Poland	FX	20.0	
15,984.0	375/...e	....	unknown	FX	....
15,985.0	425/50N	FTP98	Paris (Vernon), France	FX	2.0	
15,985.5	USB	ZZH26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
15,986.0	850/50N	9VC75	Singapore	FX	5.0	
15,987.0	425/75N	ZZH26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
15,988.0	CW	BXR74	unknown	FX	....	PRC EMBASSY
15,990.0	F7B	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
15,990.0	170/75R	....	Teheran, Iran	FX	....	Polish EMBASSY
15,990.0	FAX	RAD21	Tashkent, Uzbek SSR	FX	20.0	
15,990.0	850/...e	....	several, worldwide	FX	....	USN
15,992.0	425/75N	4UA	Rawalpindi, Pakistan	FX	1.0	UN
15,992.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
15,995.0	850/50R	†AXM36	Canberra, ACT, Australia	FX	20.0	Meteo
15,995.0	F1B	....	New Delhi, India	FX	....	EMBASSY
15,995.1	425/50R	†WER26	New York, NY	FX	40.0	INFOIND
15,996.0	USB	ONN27	Brussels, Belgium	FX	1.0	French EMBASSY
15,996.0	425/50R	SOP299	Warsaw, Poland	FX	20.0	PAP Nx EE 1500-1530 [Beamed to the Far East]
15,996.0	CW	SOP299	Warsaw, Poland	AX	1.0	Tfc/Cairo
15,996.1	425/50R	DFP99-HI	Frankfurt (Bonames), GFR	FX	20.0	DPA Nx EE 1500-1800 [Beamed to West Africa]
15,996.1	425/...e	....	unknown	FX	....
16,000.0	CW	CME378	Havana, Cuba	FX	5.0	Vietnamese EMBASSY
16,000.0	525/75Rc	....	unknown	FX	....
16,000.2	850/50N	CKX	Carrasco Aeradio, Uruguay	AX	3.0	Tfc
16,004.0	425/50R	BAE56	Beijing, PRC	FX	15.0	
16,005.0	B9W	VDD	Debert, NS, Canada	FX	10.0	C. Forces
16,005.0	CW	IDR6	Rome Naval, Italy	FX	....	Italian Navy
16,005.0	USB	....	unknown	FX	....	Coded Tfc/SS
16,012.0	425/50R	BAR76	Beijing, PRC	FX	10.0	XNA [Beamed to Burma]
16,015.0	425/50R	ZRH77	Cape (Fisantekraal) Naval, RSA	FX	10.0	RSA Navy
16,016.0	CW	RMP	Rostov Naval, USSR	FX	....	Russian Navy
16,017.5	170/100Re	....	unknown	FX	....
16,018.0	170/75R	DFQ21	Frankfurt (Bonames), GFR	FX	20.0	
16,020.0	425/50R	BAE53	Beijing, PRC	FX	15.0	Tfc/Europe
16,020.0	850/75R	NAU	NAVCOMMSTA San Juan, PR	FX	....	USN
16,020.0	425/50R	RHA42	Moscow, USSR	FX	15.0	PL Nx EE/FF/PP/SS 0700-1500 [Non-directional]
16,020.0	425/75R	RHA42	Moscow, USSR	FX	15.0	APN Nx AA
16,020.0	850/...e	....	numerous, worldwide	FX	....	USN
16,022.0	CW	....	unknown, probably in North America	FX	....	Code Tfc
16,024.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
16,026.0	525/...e	....	unknown	FX	....	Idling
16,030.0	CW	PBC5	Goeree Island Naval, Netherlands	FX	5.0	Dutch Navy
16,030.0	USB	†RBI75	Moscow, USSR	FX	15.0	R. Moscow Feeder
16,032.0	425/50R	....	Warsaw, Poland	FX	....	French EMBASSY
16,032.0	USB	....	unknown	FX	....	scrambler in use
16,032.1	CW	....	unknown	FX	....	single letters
16,035.0	LSB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
16,035.0	LSB	....	unknown--obviously Telco background--obviously			military/EE
16,037.5	85/45R	....	UPI nx for USN			
16,038.0	USB	....	unknown	FX	....	Telcom/FF/2 Stations
16,038.7	CW	....	unknown	FX	....	Nx/FF
16,039.0	425/50R	BBG	Shanghai, PRC	FX	15.0	Tfc/Jakarta

kHz	Mode	Call	Location	Service	kW	Remarks
16,039.4	525/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
16,040.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
16,040.0	425/75R	RTT40	Moscow, USSR	FX	20.0	APN Nx AA 0700-0900
16,041.0	CW	....	unknown	FX	....
16,041.4	USB	5TP294	Nouakchott, Mauritania	FX	0.2	GFR EMBASSY
16,041.5	USB	CTH38	Horta Naval, Azores	FX	5.0	Port. Navy
16,041.5	LSB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
16,044.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes AOB50, Estartit. Spain & NCI, Sellia Marina, Italy)
16,045.0	*850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
16,045.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
16,045.0	425/50R	RQ75	Irkutsk, USSR	FX	5.0	Meteo
16,045.0	USB	AGB4	Wake Island	FX	1.0	USAF
16,049.9	LSB	RCE54	Moscow, USSR	FX	15.0	
16,050.0	425/50R	7UP5	Algiers, Algeria	FX	35.0	Tfc/Moscow
16,050.0	425/50R	CLN520	Havana (Bauta), Cuba	FX	10.0	PL Nx SS
16,051.0	USB	....	Algiers, Algeria	FX	....	Telcom
16,053.0	425/50R	BCT27	Shanghai, PRC	FX	5.0	
16,053.2	B8E	HBP26	Geneva, Switzerland	FX	20.0	Telcom
16,055.0	850/...e	....	several, Pacific Ocean area	FX	....	USN
16,056.5	B9W	EHY96	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Tfc
16,057.5	CW	....	Paris Air, France	FX	1.0	French AF
16,060.0	425/75Rc	RFM27	Irkutsk, USSR	FX	15.0	APN Nx RR
16,060.0	425/75Rc	RCD30	Moscow, USSR	FX	15.0	APN Nx RR 0830 ip
16,060.0	425/100Rc	RCD30	" "	FX	15.0	APN Nx RR 0900 ip
16,061.0	*850/...e	NAU	NAVCOMMSTA San Juan, PR	FX	15.0	USN
16,064.0	USB	KAD71	Eniwetok, Marshall Islands	FX	....	DOE
16,065.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
16,065.0	850/50N	JAQ46	Tokyo, Japan	FX	10.0	
16,065.0	F1B	RBNF	Moscow Aeradio, USSR	AX	....	(reported)
16,065.0	*F1B	KNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
16,065.0	425/50R	YZJ7	Belgrade, Yugoslavia	FX	30.0	TANJUG Nx EE
			1100-1200 (Not on Sundays)			[Non-directional]
16,065.0	425/50R	....	Belgrade, Yugoslavia	FX	....	EMBASSY
16,073.0	425/50R	BZL36	Wulumuqi, PRC	FX	10.0	XNA
						[Beamed to East Africa]
16,074.0	850/50N	FXP80	Papeete Aeradio, Tahiti	AX	5.0	Tfc/Easter Island
16,076.0	850/...e	....	unknown	FX	....	Idling
16,082.0	850/50N	"H6L"	Algiers, Algeria	FX	....	French EMBASSY
16,083.0	425/50N	ODT	Beirut Aeradio, Lebanon	AX	2.5	Tfc
16,088.0	850/50N	"H6L"	El Djazair, Algeria	FX	....	French EMBASSY
16,090.0	CW	D3M93	Luanda Naval, Aungola	FX	....	Russian Navy
16,090.5	425/50R	....	unknown	FX	....
16,091.6	850/50R	†STK	Khartoum Aeradio, Sudan	AX	....	Tfc
16,092.0	CW	....	unknown	FX	....
16,095.0	USB	GZU	Portsmouth (Petersfield), England	FX	1.0	British Naval Air
16,095.0	USB	FZS60	St. Denis (Bel Air), Reunion	FX	....	Telcom
16,095.0	CW	....	several, throughout world	FX	....	Swiss EMBASSY
16,095.0	425/75R	RCF	Moscow, USSR	FX	....	EMBASSY
16,100.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
16,100.0	170/ARQ	IPG22	Warsaw, Poland	FX	0.2	Italian EMBASSY
16,104.0	425/50R	UGE2	Bellingshausen Base, Antarctica	FX	....	USSR/Meteo
16,106.0	425/50R	FZM62	Noumea, New Caledonia	FX	30.0	AMBAFRANCE/AFP
16,106.0		FZM62	unknown	....	....
16,106.5	350/50N	FPQ	Paris (Le Vernet), France	FX	20.0	DIPLO Nx EE
						1700-1800
16,107.0	425/50N	FZF61	Fort de France, Martinique	FX	10.0	AMBAFRANCE
16,108.5	USB	ONN34	Brussels, Belgium	FX	1.0	Iranian EMBASSY
16,109.0	F7B	HBD56	Warsaw, Poland	FX	1.0	Swiss EMBASSY
16,113.0	425/50*	BAY56	Beijing, PRC	FX	15.0	Tfc/Moscow
16,115.0	425/75N	AND8	Madrid, Spain	FX	....	Russian EMBASSY
16,116.8	550/50R	6VK317	Dakar, Senegal	FX	6.0	Tfc
16,117.0	USB	6VK317	Dakar, Senegal	FX	6.0	Telcom
16,120.8	350/50R	MKG	London (Stanbridge), England	FX	5.0	DCN
16,122.0	USB	†....	unknown	FX	....	RR Feeder
16,125.0	CW	FVO	Djibouti, Djibouti	FX	....	French AF
16,125.0	CW	3KB60	Tunis, Tunisia	FX	X30	EMBASSY
16,125.0	*425/75R	Z2F81	Harare, Zimbabwe	FX	1.0	PRC EMBASSY
16,126.0	425/50N	BZM44	Wulumuqi, PRC	FX	40.0	XNA
						[Beamed to Southeast Africa]

kHz	Mode	Call	Location	Service	kW	Remarks
16,128.8	550/50R	RIFAJE	unknown	FX	....
16,131.5	USB	OEC36	Beijing, PRC	FX	1.0	Austrian EMBASSY
16,133.0	170/75R	OEC36	Beijing, PRC	FX	1.0	Austrian EMBASSY
16,134.0	425/75R	...	unknown, in the USSR	FX	...	APN Nx PP
16,134.1	425/50R	CNWH46	Rabat (Tanger), Morocco	FX	10.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700
[Beamed to Eastern Europe & the Far East]						
16,135.0	400/50R	XYN36	Rangoon, Burma	FX	....	[RKG] Tfc/Karachi
16,135.0	F1B	CME394	Havana, Cuba	FX	1.0	Finnish EMBASSY
16,135.0	FAX	KVM70	Honolulu (International), HI	AX	....	Meteo (1900-2045)
16,135.0	CW	6WW	Dakar Naval, Senegal	FX	....	French Navy
16,135.0	425/75R	RBI72	Moscow, USSR	FX	20.0	APN Nx FF/PP
16,136.0	425/50N	BZR66	Wulumuqi, PRC	FX	25.0	XNA Nx EE 1030-1330 [Beamed to Europe]
16,137.0	425/50R	CML47	Havana (San Pedro Bauta), Cuba	FX	15.0	[VHA] Telex/NYC
16,140.0	LSB	RCW28	Moscow, USSR	FX	15.0	R. Moscow Feeder
16,142.5	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	10.0	USAF
16,145.0	425/75R	RWM77	Moscow, USSR	FX	20.0	APN Nx EE 0800-1400
(Irregular Schedule) [Programmed for Developing Countries]						
16,147.5	425/...e	....	Villacoublay Air, France	FX	5.0	French AF
16,149.5	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
16,150.0	850/75N	ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
16,150.0	425/50R	9VF205	Singapore	FX	10.0	JIJI Nx EE 1330-1430
(Not on Sundays) [Beamed to Indian sub-continent]						
16,150.0	425/50N	RCE59	Moscow, USSR	FX	15.0	Bakhtar Nx EE
(Not on Saturdays) 0415-0545 [Beamed to Western North America]						
TASS Nx EE 0600-1400						
[Beamed to the Middle East]						
16,150.0	LSB	....	unknown	FX	....	unk language
16,152.0	B8E	ZLK36	Christchurch Naval, New Zealand	FX	5.0	NSF/USN
16,153.5	850/75Ne	ZLK36	Christchurch Naval, New Zealand	FX	5.0	NSF/USN
16,155.0	425/50R	BAJ26	Beijing, PRC	FX	15.0	XNA
[Beamed to Indian sub-continent]						
16,155.0	F7B	YTR	Belgrade, Yugoslavia	FX	10.0	
16,155.0	850/...e	....	unknown	FX	....
16,160.0	425/100R	RFM27	Moscow, USSR	FX	....	APN
16,160.0	425/50R	RXX70	Vladivostok, USSR	FX	5.0	Meteo
16,160.0	850/...e	....	numerous, in Pacific Ocean area	FX	....	USN
16,162.5	*USB	OEC	Vienna, Austria	FX	10.0	EMBASSY
16,163.0	F1B	GYU	Gibraltar Naval	FX	....	British Navy
16,164.0	275/50N	D2J31	Luanda, Angola	FX	10.0	ANGOP Nx FF/PP
0930-1000 [Beamed to North Africa]						
ANGOP Nx FF/PP						
1200-1300 [Beamed to Central Africa]						
ANGOP Nx FF/PP						
1600-1700 [Beamed to North Africa]						
ANGOP Nx FF/PP						
1900-2000 [Beamed to Central Africa]						
16,164.0	170/75R	OEC	Vienna, Austria	FX	10.0	EMBASSY
16,164.6	425/...e	....	unknown	FX	....
16,165.0	USB	7UP16	Algiers, Algeria	FX	7.0	Telcom
16,165.0	850/...e	....	Le Port Naval, Reunion	FX	5.0	French AF
16,167.5	CW	CLP1	Havana, Cuba	FX	....	EMBASSY
16,170.0	B8E	D2J32	Luanda, Angola	FX	10.0	Telcom
16,170.0	850/50N	JAQ56	Tokyo, Japan	FX	5.0	
16,170.0	F7B	RKY63	Ashkhabad, Turkmen SSR	FX	20.0	
16,171.7	170/ARQ	....	unknown	FX	....	too weak
16,174.7	425/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
16,175.0	FAX	CML49	Havana (Bauta), Cuba	FX	15.0	Nx
16,175.0	F7B	RCW27	Moscow, USSR	FX	20.0	
16,180.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
16,180.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FX	10.0	USN(NOAA re- ports wx broadcasts at 0030, 0630, 1200 & 1900)sea- sonal ice warnings at 1000 & 2300
16,181.1	USB	SGP21	Stockholm, Sweden	FX	7.0	Tfc/Rio de Janeiro
16,181.5	USB	SKP31	Stockholm, Sweden	FX	7.0	Tfc/Lima
16,182.5	...	↑SKP31	Stockholm, Sweden	FX	7.0	Tfc/Lima
16,183.2	425/50N	FZF62	Fort de France, Martinique	FX	15.0	AFP Nx PP 2100 [Beamed to South America]

kHz	Mode	Call	Location	Service	kW	Remarks
16,184.6	425/50N	FPQ8/H3	Paris (St. Assise), France	FX 20.0	AFP Nx SS 2115-0600	[Beamed to Central & South America]
16,184.6	J7B	FPQ8/H1	Paris (St. Assise), France	FX	PP AFP 2100-0200	2115-0200
16,184.7	425/50N	FZF62	Fort de France, Martinique	FX 15.0	AFP Nx SS	[Beamed to South America]
16,185.0	850/75R	NRK	NAVCOMMSTA Keykjavik, Iceland	FX	USN	
16,185.6	425/50N	FPQ8/H3	Paris (St. Assise), France	FX 20.0	AFP Nx SS 1000-1200	2110-0200
16,187.0	425/75N	4UZ	Geneva, Switzerland	FX 20.0	UN	[Beamed to Central & South America] ("Latin Service")
16,190.0	F7B	RGW26	Moscow, USSR	FX 20.0	TASS Nx AA 0600-1600	(Not on Sundays) [Beamed to the Middle East]
					TASS Nx FF 0600-1600	(Not on Sundays) [Beamed to the Middle East]
					TASS Nx AA 0600-0800 (N. Su.) + 0815-1415 (daily)	TASS Nx FF (Svc A) 0600-1415 (N. Su.)
16,191.5	F1B	†GIB35	London (Rugby), England	FX 30.0	Nx	
16,193.0	425/....e	....	Villacoublay Air, France	FX 1.0	French AF	
16,193.0	LSB	RIF35	Moscow, USSR	FX 20.0	R. Moscow Feeder	
16,194.0	425/....e	....	unknown	FX		
16,194.0	850/....e	....	unknown	FX		
16,196.0	850/50R	BPE39	Beijing, PRC	FX 5.0	Tfc/Lasa	
16,197.5	piccolo	....	unknown	FX		
16,199.0	425/50N	Y7A63	Berlin (Nauen), GDR	FX 20.0	EMBASSY	
16,199.0	425/50R	....	unknown	....	
16,199.0	425/50R	....	unknown	....	Tfc to Pittsburg, USA	
16,200.0	425/50R	BZJ2Ø	Wulumuqi, PRC	FX	Meteo	
16,200.0	CW	CME3ØØ	Havana, Cuba	FX 5.0	Russian EMBASSY	
16,200.0	850/50N	CMR24	Havana, Cuba	FX 0.4	Tfc/New York	
16,200.0	425/....	MSU	London, England	....	British Army Tfc	
16,200.0	CW	8BB39	Jakarta, Indonesia	FX 3.0	(NOAA reports wx broadcast at 0830)	
16,200.0	850/50R	8BB39	Jakarta, Indonesia	FX 3.0	Meteo	
16,200.0	FAX	SOQ22Ø	Warsaw, Poland	FX 20.0	PAP Nx	
16,200.0	170/FEC	SOQ22Ø	Warsaw, Poland	FX 20.0	PAP Nx Polish	
16,200.0	425/50R	SOQ22Ø	Warsaw, Poland	FX 20.0	[WCJ] Tfc/Beijing	
16,201.0	425/50R	CLN526	Havana (Bauta), Cuba	FX 20.0	Tfc/Europe	
16,201.5	850/50N	SNK	Kano, Nigeria	FX 1.0	Meteo	
16,203.5	425/50R	STK	Khartoum Aeradio, Sudan	AX 2.5	[SEA] Tfc/Cairo	
16,206.1	USB	SGP22	Stockholm, Sweden	FX 7.0	Tfc/Accra	
16,207.0	piccolo	....	unknown	FX		
16,208.0	425/50N	†FTQ2Ø	Paris (Vernon), France	FX 2.0		
16,209.0	325/50R	9KF322	Huban, Kuwait	FX 5.0	KUNA	
16,210.0	425/50R	SOQ221	Warsaw, Poland	FX 20.0	PAP Nx EE 1500-1530	[Beamed to Egypt]
16,210.0	....	....	....	FX	Coded Tfc	[Intended for Hanoi, Vietnam]
16,211.0	CW	....	unknown	FX 50.0	[VHA] Tfc/Havana	
16,212.5	750/50N	WFD76	New York, NY	FX 20.0	Tfc	
16,215.0	F7B	RCE47	Moscow, USSR	FX 5.0	Tfc/Calcutta	
16,216.0	425/50R	XVA82	Hanoi, Vietnam	FX 10.0	Tfc/Irkutsk	
16,218.0	425/50R	BCP24	Shanghai, PRC	FX	NOAA	
16,218.0	550/50R	KAC	Woods Hole, MA	FC 5.0	USCG	
16,218.5	CW	NDT6	COMMSTA Totsuka, Japan	FX	USN	
16,218.5	850/....e	NDT	NAVCOMMSTA Yokosuka, Japan	FX	R. Australia	
16,220.0	B8E	....	Lyndhurst, Vic., Australia	FX 20.0	Feeder	
16,220.0	....	RBI74	Moscow, USSR	FX		
16,220.2	350/....e	....	unknown	FX 50.0	VOA Feeder	
16,222.0	B8E	....	Bethany, OH	AX	Tfc/Moscow	
16,222.2	F1B	BAY	Beijing Aeradio, PRC	FX	CNA Nx EE 0230-0330	(Neither newscast on Sundays) 0930-1030
16,224.0	850/50R	3MA35	Taipei, Taiwan	FX	CNA Nx EE 1330-1430	["CEP" Service] (Daily) [Beamed to Europe]
16,225.5	350/50N	9KT34	Huban, Kuwait	FX 10.0	KUNA Nx EE 1000-1300	1600-1800
						[Beamed to North Africa]

kHz	Mode	Call	Location	Service	kW	Remarks
16,225.5		9KT34	unknown		....
16,228.5	B9W	JBQ36	Tokyo, Japan	FX	30.0	Tfc
16,229.5	350/50N	9KT34	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100 1400-1700 [Beamed to North Africa]
16,229.5		9KT34	unknown		....
16,231.0	CW	JBQ36	Tokyo, Japan	FX	30.0	Tfc
16,232.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
16,232.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
16,233.0	*J7B	SRZ933	Warsaw, Poland	FX	0.5	EMBASSY
16,234.0	B9W	CSY46	Santa Maria Aeradio, Azores	AX	10.0	Tfc
16,234.0	170/50*	MKG	Akrotiri, Cyprus	FX	5.0	DCN
16,235.9	F1B	AOK	NS Rota, Spain	FX	15.0	USAF/USN
16,238.0	USB	YAB8	Kabul, Afghanistan	FX	....	Telcom/Moscow
16,238.0	525/Data	....	unknown	FX	....
16,238.6	CW	CNL	Kenitra, Morocco	FX	3.0	
16,238.8	850/50R	YAB8	Kabul, Afghanistan	FX	3.0	
16,240.0	850/50N	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Buenos Aires
16,240.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
16,240.0	425/75Ne	CUZ56	Gloria, Portugal	FX	3.0	RFE/RL Talkback
16,243.0	*425/50N	YTA64	Berlin (Nauen), GDR	FX	20.0	EMBASSY
16,245.0	CW	....	numerous (ICAO AFI & MID) in Middle East and northeastern Africa—including: TNL, Brazzaville, Congo; 4XL, Lod, Israel; 5YD, Nairobi, Kenya; 5ST81, Antananarivo, Madagascar, etc.)	AX	....	Aero Tfc (Net)
16,245.9	1000/...e	....	unknown	FX	....
16,246.0	LSB	....	unknown	FX	....	wkg "AGAR25"
16,246.0	USB	AGA21	unknown; wkg "ARIA CONTROL"—"EYESIGHT"—"BLOODHOUND"—"ASHLEY 12"	FX	....
16,246.4	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
16,248.0	550/...e	....	unknown	FX	....	Idling
16,250.0	850/50N	ONN33	Brussels, Belgium	FX	0.8	Rumanian EMBASSY
16,250.0	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder
16,251.0	USB	LJA21	Tel Aviv, Israel	FX	0.4	Norwegian EMBASSY
16,252.5	425/50Rc	RWS2	Ural'sk, Kazakh SSR	FX	5.0	
16,255.0	425/50N	MUL	Port Royal, Jamaica	FX	....	British Army
16,256.0	425/50N	ATW66	Madras, India	FX	20.0	Tfc/London
16,258.0	425/100R	OEM81	Vienna Aeradio, Austria	AX	5.0	Aero/Meteo
16,259.0	425/50N	....	unknown	FX	....	Tfc/FF CC
16,259.2	525/...e	....	unknown	FX	....	Idling
16,259.5	piccolo	....	unknown	FX	....
16,260.0	425/50R	"P6Z"	Paris, France	FX	....	EMBASSY
16,260.0	425/50R	REM57	Nikolayev, Ukrainian SSR	FX	50.0	TASS Nx 1215-1400 (Not on Saturdays or Sundays) Armenian Service
16,260.0	425/50R	RWN75	Moscow, USSR	FX	20.0	TASS Nx EE 1600
16,260.0	425/75Rc	....	....	FX	20.0	APN Nx RR 0800
16,262.5	F1B	FPQ26	Paris (Le Vernot), France	FX	....	clg Hanoi
16,262.5	...	....	Prague	FX	....	[FVH] Tfc/Hanoi
16,263.5	piccolo	....	unknown	FX	....
16,263.7	350/50R	....	unknown	FX	....
16,265.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FC	1.0	USN/NUKO
16,265.0	850/50N	9VF206	Singapore	FX	7.0	ANSA Nx EE 1700-1900 (Not on Sundays) [Beamed to Hong Kong & Japan]
16,265.0	850/...e	....	numerous, worldwide	FX	....	USN
16,265.1	CW	DHJ59	Sengwarden Naval, GFR	FX	....	{G23B} GFR Navy/ NATO
16,267.5	425/50R	YOQ22	Bucharest (Urziceni), Rumania	FX	2.0	Tfc/Prague
16,268.0	*425/50N	YTA65	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
16,270.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
16,270.0	850/50N	9VF207	Singapore Aeradio	AX	7.5	Tfc/Hong Kong
16,270.5	USB	ZZH27	Harare, Zimbabwe	FX	0.5	British EMBASSY
16,274.5	850/50N	ZEN77	Cape D'aguiar, Hong Kong	FX	3.5	Tfc/Singapore
16,276.0	B8E	D4E29	Praia, Cape Verde	FX	3.0	Telcom/Tfc
16,276.0	425/50R	BUA50	Wulumuqi, PRC	FX	3.5	XNA
16,280.0	425/50R	RKD41	Moscow, USSR	FX	15.0	
16,280.0	850/50N	WSY70	New York Aeradio, NY	AX	40.0	Tfc/Meteo
16,280.0	USB	....	numerous, USA nationwide	FX	....	FAA Backup Net
16,281.0	425/50N	CUA79	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
16,281.0	USB	RKD41	Moscow, USSR	FX	15.0	Telcom
16,282.5	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	RAF
16,285.0	....	†3VA22	Tunis, Tunisia	FX	1.0	

kHz	Mode	Call	Location	Service	kW	Remarks
16,285.0	425/50R	"8BC"	unknown, probably in Africa	FX	....	French EMBASSY
16,285.0	250/66Ne	....	unknown	FX	....
16,286.0	425/50R	"2PL"	unknown	FX	....	9XA DE 2PL
16,286.1	R7B	ZUD58	Pretoria, RS	FX	4.0	Tfc/Kinshasa
16,287.5	USB	ORI46	Brussels (Ruisseled), Belgium	FX	10.0	Tfc/Kamsar
16,293.0	CW	8UF77	Port Blair, Andaman Islands	FX	....	Governmental
16,293.4	CW	"F71"	unknown, in Indian Ocean	FX	....	Tfc/F72/F74
16,294.0	425/...e	....	unknown	FX	....	Idling
16,296.8	USB	....	unknown	....	....	Telcom
16,298.5	USB	OMZ26	Prague, Czechoslovakia	FX	1.0	Egyptian EMBASSY
16,298.5	USB	....	numerous, worldwide	FX	....	USN/MARS
16,300.0	F7B	RMD59	Moscow, USSR	FX	80.0	Tfc/South America
16,300.0	USB	NNN0NRS	Diego Garcia	FX	....	USN/MARS
16,300.0	*425/75R	70B469	Aden, PDR Yemen (South)	FX	1.0	PRC EMBASSY
16,301.0	170/75R	....	numerous, USA nationwide	FX	....	USN/MARS
16,304.5	B9W	HEF66	Berne, Switzerland	FX	4.0	Tfc
16,305.0	850/...e	VER	Ottawa, Ont., Canada	FX	10.0	C. Forces
16,308.0	425/50N	Y7A66	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
16,308.0	F1B	HMK73	Pyongyang (Jungsan), North Korea	FX	20.0	KCNA
[Beamed to Eastern North America]						
16,310.0	CW	SSL	Alexandria Naval, Egypt	FX	....	Egyptian Navy
16,310.6	USB	....	unknown	FX	....	Telcom/Tfc
16,315.0	425/50R	BCR26	Shanghai, PRC	FX	80.0	Tfc/Khartoum
16,315.0	FAX	5YE	Nairobi, Kenya	FX	30.0	Meteo
16,320.0	B8E	AFA	Andrews AFB, MD	FX	....	USAF
16,320.0	425/50R	....	Pyongyang, PDR Korea	FX	....	EMBASSY
16,320.0	425/50R	XVB34	Hanoi, Vietnam	FX	10.0	Tfc/Pyongyang
16,323.0	CW	OVG16	Frederikshavn Naval, Denmark	FX	2.0	Danish Marine
16,323.0	850/...e	....	unknown	FX	....
16,324.0	425/50R	CLN529	Havana (Bauta), Cuba	FX	20.0	Tfc (This frequency and transmitter have been used for CLPL EMBASSY transmissions)
16,325.0	425/50N	Y2V23	Berlin (Nauen), GDR	FX	20.0	ADN
16,328.0	425/50N	6VU82	Dakar Aeradio, Senegal	AX	3.0	Tfc/Paris
16,330.0	B8E	VJU	Kingston Radio, Norfolk Island	FX	15.0	Tfc
16,330.0	LSB	RKA75	Moscow, USSR	FX	20.0	Feeder for MAYAK
16,330.5	LSB	EHY24	Madrid (Pozuelo del Rey), Spain	FX	10.0	Telcom/Las Paz
16,334.0	850/...e	....	unknown	FX	....
16,335.0	FAX	FZS63	St. Denis (Bel Air), Reunion	FX	10.0	Meteo (1145)
16,335.0	350/50N	FZS63	St. Denis (Bel Air), Reunion	FX	10.0	[HXP] Meteo
(Wx broadcasts at 0025, 0325, 1525 & 1825)						
16,335.0	850/...e	....	unknown	FX	....
16,338.0	CW	↑RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
16,340.0	425/50N	"OTV"	unknown	FX	....	Coded Tfc
16,342.0	550/...e	....	unknown	FX	....
16,343.5	USB	CTN84	Apulia Naval, Portugal	FX	5.0	Port. Navy
16,343.8	425/50R	YZI4	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx EE
0400-0500 [Beamed to Asia]						
(Not on Sundays) 0900-1000						
(Not on Sundays) 1200-1245 [Beamed to Asia]						
Nx EE 1300-1430 [Beamed to Africa]						
EE 0900-1000 world service 8/83 (Not Su.)						
TANJUG WW svc 1100-1200 (N. Su.) 8/83						
16,345.0	850/50N	CTW34	Monsanto Naval, Portugal	FX	10.0	Port. Navy
16,347.0	850/50e	....	unknown	FX	....	Idling
16,348.0	425/50R	CLN530	Havana (Bauta), Cuba	FX	5.0	PL Nx EE 1745-2030
[Beamed to the Caribbean & northern South America]						
16,348.0	USB	....	several, USA nationwide	FX	....	FAA (Recently reported included: KDM50, Hampton, GA & "Dragnet")
16,352.0	425/50R	BCC22	Shanghai, PRC	FX	35.0	Tfc
16,354.0	CW	Y7B94	unknown, probably in Far East	FX	....	GDR EMBASSY
16,355.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	20.0	USN
16,355.5	B8E	FZY363	Miquelon, St. Pierre & Miquelon Is.	FX	16.0	Tfc
16,357.6	425/50R	Y7A67	Berlin (Konigs Wusterhausen), GDR	FX	20.0	EMBASSY
16,358.0	CW	Z2F13	Harare, Zimbabwe	FX	1.0	GDR EMBASSY
16,358.0	CW	Y7G34	unknown	FX	....	GDR EMBASSY
16,358.5	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	5.0	USN
16,359.0	425/50N	CLP5	Algiers, Algeria	FX	....	Cuban EMB

kHz	Mode	Call	Location	Service	kW	Remarks
16,360.0 - 17,410.0 kHz — FIXED SERVICE & MARITIME MOBILE (Worldwide—shared post WARC)						
16,360.0	F7B	RBG30	Kiev, Ukrainian SSR	FX	20.0	Tfc/Frunze
16,364.0	USB	VYG99	Brevooort Island, NWT, Canada	FX	0.5	Telcom
16,364.0	USB	XOT354	Frobisher Bay, NWT, Canada	FX	1.0	Telcom
16,364.0	CW	SNM213	Warsaw, Poland	FX	....	EMBASSY
16,365.0	USB	FTQ36	Paris (St. Assise), France	FX	20.0	Telcom
16,368.0	600/...e	....	unknown	FX	....
16,370.0	425/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
16,370.0	850/50N	KUQ48	Naha Aeradio, Okinawa, Japan	AX	5.0	
16,372.5	425/50R	↑WFD86	New York, NY	FX	50.0	UPI
[Beamed to South America]						
16,372.7	425/50R	MSU	London, England	FX	....	Army
16,373.0	CW	ETQ37	Addis Ababa, Ethiopia	FX	....	GDR EMBASSY
16,375.0	F1B	EPX	Teheran, Iran	FX	....	PANA Nx
16,376.0	425/50R	XVN57	Hanoi, Vietnam	FX	15.0	Tfc/Prague
16,378.0	*425/50R	....	Beijing, PRC	FX	....	Czech EMBASSY
16,378.0	CW	RMT	unknown	FX	....
16,378.0	550/...e	....	unknown	FX	....
16,379.0	F1B	8WD4	New Delhi, India	FX	....	EMBASSY
16,380.0	B8E	GAP36	London (Rugby), England	FX	30.0	Tfc/Cairo
16,380.0	425/50R	MUQ	Kathmandu, Nepal	FX	....	[RBMVAE] [EAA]
16,380.0	325/75R	MUQ	Kathmandu, Nepal	FX	....
16,380.0	F7B	RHAO	Zmeinogorsk, USSR	FX	15.0	TASS
16,382.1	CW	"AGGU"	unknown	FX	....	Net/Tfc
16,383.0	525/75N	....	unknown	FX	....	Coded Tfc
16,383.9	425/50R	VNA30	Hanoi, Vietnam	FX	15.0	VNA Nx FF 1200-1430
[Beamed to Eastern Europe]						
16,384.0	USB	FZP64	Papeete (Papenoo), Tahiti	FX	20.0	Telcom
16,386.0	B8E	TLZ63	Bangui, Central African Republic	FX	20.0	Telcom/Tfc
16,386.0	B8E	XTA63	Ouagadougou, Upper Volta	FX	6.0	Telcom
16,390.0	F1B	CME349	Havana, Cuba	FX	....	Rumanian EMBASSY
16,391.9	700/...e	....	unknown	FX	....
16,392.0	425/50R	YOQ23	Bucharest, Rumania	FX	10.0	AGERPRES
[Beamed to the Far East]						
16,392.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
16,392.0	*F1B	KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY
16,394.9	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
16,395.0	CW	D3M93	unknown, very probably in Angola	FX	....	Russian Forces
16,397.0	USB	YKWL07	Damascus, Syria	FX	5.0	Telcom
16,397.4	425/50N	FTQ39	Paris (Le Vernet), France	FX	10.0	DIPLO Nx FF 1100-1230
16,399.2	F1B	....	Jakarta, Indonesia	FX	....	EMBASSY
16,400.0	USB	OZU35	Beijing, PRC	FX	0.4	Dannish EMBASSY
16,400.0	CW	CME377	Havana, Cuba	FX	5.0	Vietnamese EMBASSY
16,400.0	USB	OZU25	Copenhagen, Denmark	FX	1.5	EMBASSY
16,400.0	850/...e	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	15.0	USN
16,400.0	425/50N	HGX21	Budapest, Hungary	FX	....	EMBASSY
16,402.0	CW	CME303	Havana, Cuba	FX	1.0	Polish EMBASSY
16,403.0	425/50N	Y2V57	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE/FF
(Not on Sundays) 0600-0750						
(Daily) 1000-1150 & 1400-1550						
[Beamed to Africa]						
16,406.5	850/50N	ZE077	Cape D'aguilar, Hong Kong	FX	3.5	
16,407.1	LSB	....	unknown, probably in the USA	FX	....	Telcom
16,408.6	USB	FTQ41	Paris (St. Assise), France	FX	20.0	Telcom
16,410.0	USB	LSM400	Buenos Aires, Argentina	FX	0.5	Argentinian Navy
16,410.0	FAX	NAM	NAVCOMMSTA Norfolk, VA	FX	2.5	USN/Meteo
16,412.0	425/50R	BAK66	Beijing, PRC	FX	50.0	XNA Nx EE/SS 0000-0145
[Beamed to eastern North America]						
16,414.6	USB	....	unknown	FX	....	NUMBERS/GG/YL
16,415.0	USB	....	Paris, France	FX	....
16,417.0	425/50N	Y2V26	Berlin (Nauen), GDR	FX	20.0	ADN
[Beamed to the Far East]						
16,418.0	425/50N	A9C	Muharrag Aeradio, Bahrain	FX	5.0	Tfc/Beirut
16,420.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
16,420.0	850/50N	RBNF	Moscow Aeradio, USSR	AX	....	Tfc/Beijing
16,420.0	850/...e	....	numerous, worldwide	FX	....	USN
16,421.5	USB	....	unknown	FX	....	EMBASSY Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
16,423.8	CW	....	unknown	FX	....	"ZKR" & off
16,425.0	USB	TZE216	Bamako, Mali	FX	20.0	Telcom
16,428.0	850/50R	BAW36	Beijing, PRC	FX	10.0	XNA
[Beamed to Pakistan]						
16,430.0	F7B	CLN532	Havana (Bauta) Cuba	FX	20.0	Tfc/Mexico city
16,430.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	
16,430.6	425/50N	HGX21	Budapest, Hungary	FX	....	EMBASSY
16,430.7	170/...e	....	unknown	FX	....
16,431.0	USB	....	numerous, USA nationwide	FX	....	FEMA
16,433.0	LSB	....	Tarawa Islands, Rep. of Kiribati	FX	....	Feeder
16,435.0	B9W	AIE	Andersen AFB, Guam	FX	10.0	USAF
16,435.0	850/50N	HWU	Le Blanc Naval, France	FX	....	French Navy
16,435.0	FAX	BDF2	Shanghai, PRC	FX	....	Meteo
16,437.0	F7B	YTG5	Belgrade, Yugoslavia	FX	20.0	Tfc/New Delhi
16,438.0	850/...e	....	several, USA nationwide	FX	....	USN
16,438.4	CW	OD044	Beirut, Lebanon	FX	2.0	Tfc
16,440.0	USB	....	Moscow, USSR	FX	....	Telcom
16,440.0	850/75N	WBR70	Miami Aeradio, FL	AX	8.0	Meteo
16,440.8	B9W	ODN22	Damascus, Syria	FX	20.0	Telcom/Tfc
16,441.5	425/50N	DFQ44/L1	Bonames, GFR	FX	20.0	DPA
16,442.5	425/50N	FZF63	Fort de France, Martinique	FX	6.0	AFP Nx SS 1000-1200 1315-2400
[Beamed to Central America]						
16,442.6	250/...e	....	unknown	FX	....
16,450.0	850/...e	....	unknown	FX	....	Idling
16,450.0	F7B	CLN533	Havana (Bauta), Cuba	FX	20.0	Tfc/Mexico City
16,450.0	*F1B	ETR45	Addis Ababa, Ethiopia	FX	0.4	Bulgarian EMBASSY
16,452.0	425/50R	BAZ22	Beijing, PRC	FX	15.0	Tfc/EUR
16,452.5	USB	8RB78	Georgetown, Guyana	FX	3.5	Telcom
16,454.0	700/50N	PMZ	Rio de Janeiro Naval, Brazil	FX	10.0	Brazilian Navy
16,454.4	LSB	AJE	Croughton (Barford), England	FX	4.0	AFRTS Feeder
16,457.0	*F1B	....	several, in Africa & Middle East	FX	....	Hungarian EMBASSY [Most use call prefix "HGX"]
16,457.0	425/50R	ULV	Moscow, USSR	FX	25.0	
16,457.5	CW	NMO	COMMSTA Honolulu, HI	FX	10.0	USCG/NUKO
wx broadcasts at 0100, 0400, 0700, 1300 & 2000						
16,458.0	425/50R	CME340	Havana, Cuba	FX	1.0	Hungarian EMBASSY
16,458.0	CW	KRH50	London, England	FX	1.0	USA EMBASSY
16,458.0	425/50R	HGX57	Cairo, Egypt	FX	1.0	Hungarian EMBASSY
16,458.0	425/50R	HGX41	Damascus, Syria	FX	1.0	
16,459.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY [Alt: 14,515.0]
16,459.0	425/50R	BAK36	Beijing, PRC	FX	50.0	XNA
[Beamed to eastern South America]						

16,460.0 - 17,360.0 kHz — MARITIME MOBILE (Worldwide)

16,463.1	USB	....	off northeast Australian coast	FX	....	SEDCO Oil Rigs
16,510.0	USB	"KPA2"	unknown	FX	....	YL Repeats
16,518.9	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
16,518.9b	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
16,523.4	USB	INTERNATIONAL SHIP CALLING FREQUENCY				
16,542.1	425/50R	BXT42	unknown	FX	....	PRC EMBASSY
16,551.0	425/75R	BZP51	Wulumuqi, PRC	FX	....
16,587.1	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, Ma; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam)
16,587.1	USB	....	Coast & Ship Simplex Voice Frequency	FC/MS	..	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KHT, Cedar Rapids, IA; WJK, Jacksonville, FL; KHU, San Diego, CA; KFC, Seattle, WA; WMP, West Palm Beach, FL; etc.
16,590.2	USB	....	Coast & Ship Simplex Voice Frequency	FC/MS	..	Inland & inter-coastal waterway traffic. Similar stations heard here as on 16,587.1

kHz	Mode	Call	Location	Service	kW	Remarks
16,593.3	USB	....	Coast & Ship Simplex Voice Frequency FC/MS .. Inland & inter-coastal waterway traffic. Similar stations heard here as on 16,587.1			
16,595.0	425/50R	BXT18	unknown	FX	....	PRC EMBASSY
16,599.5	CW	FUF	Port de France Naval, Martinique	FC	10.0	French Navy
16,608.0	425/50R	....	Sofia, Bulgaria	FX	....	EMBASSY
16,617.0	425/50R	....	Sofia, Bulgaria	FX	....	EMBASSY
16,627.0	425/50R	....	Sofia, Bulgaria	FX	....	EMBASSY
16,660.0	425/50Rc	JTV9	Ulan Bator, Mongolia	FX	....	MONTSAME Nx RR (Not on Sundays) 1900-2100
16,660.5	170/ARQ		The band between 16,660.5 and 16,694.5 kHz is divided into 69 channels spaced 500 Hz apart. These are paired with SITOR Coastal stations operating between 17,197.5 and 17,231.5 kHz.			
16,715.0	CW	....	Sofia, Bulgaria	FX	....	EMBASSY
16,720.0	CW		The band between these two frequencies is divided into 18 channels spaced 1.6 kHz apart and assigned numbers from 1 to 18. These are ship calling/transmitting channels			
16,779.0	425/50R	BBD36	Shanghai, PRC	FX	15.0	Tfc/Rangoon
16,861.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	wx at 0900 & 1400
16,861.7	CW	PKB	Belawan Radio, Indonesia	FC	1.0	1400-1500
16,861.7	CW	PKI	Jakarta Radio, Indonesia	FC	1.0	
16,861.7	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	1300-1400
16,861.7	CW	SPE82	Szczecin Radio, Poland	FC	10.0	
16,861.7	CW	WNU35	Slidell Radio, LA	FC	3.0	
16,861.8	CW	50W16	Lagos Radio, Nigeria	FC	1.0	
16,862.0	CW	EBA	Madrid Radionaval, Spain	FC	....	Spanish Navy
16,862.5	CW	XSV	Tianjin Radio, PRC	FC	5.0	
16,862.5	*170/50Nc	UKW3	Korsakov Sakhalinsk Radio, USSR	FC	15.0	
16,863.3	CW	HEB	Berne Radio, Switzerland	FC	10.0	
16,865.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	
16,865.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	....
16,867.5	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
16,868.0	CW	A4M	Muscat Radio, Oman	FC	1.0	
16,868.5	CW	9VC53	Singapore Radio	FC	5.0	
16,869.0	CW	RRMT	unknown	FC	....	TL 1620
16,870.0	CW	RIT	unknown, probably in the USSR	FC	....
16,871.1	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	1.5	Reported wx broadcasts at 0300 & 1000
16,871.3	CW	XSG	Shanghai Radio, PRC	FC	30.0	
16,871.3	CW	CWA	Cerrito Radio, Uruguay	FC	2.0	Reported wx broadcasts at 0000, 1400 & 1900
16,871.4	CW	KLC	Galveston (Arcadia) Radio, TX	FC	3.8	(NOAA reports wx broadcasts at 1130 & 1730)
16,872.5	*170/50Nc	UXN	Arkhangelsk Radio, USSR	FC	15.0	TFL 0800
16,874.1	CW	TIM	Limon Radio, Costa Rica	FC	10.0	wx at 1818, 1200 & 04
16,874.2	CW	ZSD52	Durban Radio, RSA	FC	3.5	
16,874.5	CW	ZLO6	Irirangi Naval, New Zealand	FC	....	RNZ Navy
16,876.1	CW	XSM	Xiamen Radio, PRC	FC	6.0	
16,876.1	CW	FUG3	La Regine Naval, France	FC	....	French Navy
16,877.5	CW	JDB	Nagasaki Radio, Japan	FC	15.0	
16,878.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	....
16,879.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
16,880.0	CW	3SB	Datong Naval, PRC	FC	15.0	PRC Navy
16,880.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
16,880.0	CW	A7S	Qatar Radio, Qatar	FC	....
16,880.9	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG/AMVER
16,881.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
16,882.5	CW	GKS6	Portishead Radio, England	FC	15.0	
16,882.9	CW	SBA	Nicosia Radio, Cyprus	FC	1.0	
16,883.0	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
16,884.0	CW	XSQ7	Guangzhou Radio, PRC	FC	7.0	
16,884.5	CW	ODR	Beirut Radio, Lebanon	FC	1.0	
16,885.0	CW	RMP	Rostov Radio, USSR	FC	....
16,885.1	CW	....	unknown	FC	....
16,886.0	CW	UDH	Riga Radio, Estonian SSR	FC	5.0	
16,886.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
16,887.3	CW	SPH81	Gdynia Radio, Poland	FC	10.0	
16,887.3	CW	YUR	Rijeka Radio, Yugoslavia	FC	6.0	
16,888.8	CW	HPP	Panama Radio, Panama	FC	5.0	
16,890.5	CW	UDN	Jdanov Radio, Ukrainian SSR	FC	5.0	
16,890.5	CW	UFN	Novorossiysk Radio, USSR	FC	15.0	HX
16,890.8	CW	ZSC39	Cape Town Radio, RSA	FC	10.0	
16,892.9	CW	YSM	Ruegen Radio, GDR	FC	15.0	Nx 1415-1445
16,893.5	CW	JFC	Misaki Gyogyo Radio, Japan	FC	1.0	
16,895.3	CW	IAR7	Rome P.T. Radio, Italy	FC	15.0	
16,896.4	CW	XPU	Veracruz Radio, Mexico	FC	0.5	
16,897.4	CW	OXZ82	Lyngby Radio, Denmark	FC	10.0	
16,897.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
16,897.5	CW	OMK	Komarno Radio, Czechoslovakia	FC	1.0	
16,902.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
16,902.0	CW	XSC	Fangshan Naval, PRC	FC	15.0	PRC Navy
16,902.6	CW	PCH60	Scheveningen Radio, Netherlands	FC	10.0	AMVER
16,902.6	CW	DYP	Cebu Radio, Philippines	FC	0.4	
16,903.0	CW	SVM6	Athens Radio, Greece	FC	5.0	
16,904.0	CW	CWN23	Colonia Armada Radio, Uruguay	FC	0.3	Uruguayan Navy
16,904.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	2.0	Uruguayan Navy
16,904.8	CW	FUV	Djibouti Naval, Djibouti	FC	20.0	French Navy
16,905.0	CW	WCC	Chatham Radio, MA	FC	10.0	
16,906.0	CW	YIR	Basrah Control, Iraq	FC	5.0	
16,907.3	CW	YSM	Ruegen Radio, GDR	FC	15.0	
16,909.5	CW	UJ03	Izmail Radio, Ukrainian SSR	FC	1.5	
16,909.6	*850/75N	PBC217	Goeree Island Naval, Netherlands	FC	2.5	Dutch Navy
16,909.7	CW	TFA	Reykjavik Radio, Iceland	FC	1.5	
16,909.7	CW	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG
16,909.7	CW	....	numerous	FA/FC/FX ...	USCG [Command Net Calling Frequency]	
16,909.9	CW	HLJ	Seoul Radio, South Korea	FC	3.5	
16,912.0	CW	LPA20	Rio Grande Radio, Argentina	FC	3.0	
16,913.0	CW	UKX	Nakhodka Radio, USSR	FC	5.0	
16,913.0	CW	UKA	Vladivostok Radio, USSR	FC	....
16,914.5	CW	XDA	Radiomex Radio, Mexico	FC	10.0	
16,914.5	CW	SPH84	Gdynia Radio, Poland	FC	10.0	
16,914.5	CW	UGW	Rey Aleksandrovsk Radio, USSR	FC	5.0	
16,915.0	*850/...e	FUX	St. Denis Naval, Reunion	FC	5.0	French Navy
16,916.5	CW	XSC8	Shanghai Radio, PRC	FC	10.0	
16,918.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	(NOAA reports wx broadcasts at 0130, 0730 & 1900)
16,918.0	CW	LZW6	Varna Radio, Bulgaria	FC	1.5	
16,918.8	CW	VHP6	COMMSTA Canberra, ACT, Australia	FC	10.0	RA Navy(NOAA reports wx broadcasts at 1730 & 2130)
16,918.8	CW	VIX6	Master Station Canberra, Australia	FC	10.0	
16,918.8	CW	GKJ6	Portishead Radio, England	FC	15.0	
16,918.8	CW	WPA	Port Arthur Radio, TX	FC	5.0	
16,920.0	CW	OXZ81	Lyngby Radio, Denmark	FC	10.0	
16,920.0	CW	9GX	Tema Radio, Ghana	FC	10.0	
16,921.0	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	
16,922.0	CW	UQA4	Kiev Radio, Ukrainian SSR	FC	25.0	
16,922.0	CW	UDK2	Murmansk Radio, USSR	FC	10.0	
16,922.3	850/50N	RBSL	Bombay Naval, India	FC	15.0	Indian Navy
16,923.6	CW	50Z23	Port Harcourt, Nigeria	FC	....
16,923.8	CW	OFJ5	Helsinki Radio, Finland	FC	10.0	
16,925.0	CW	JFE	Naha Gyogyo Radio, Okinawa, Japan	FC	....
16,925.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
16,925.4	CW	LSO3	Buenos Aires Radio, Argentina	FC	1.0	Argentine Navy/Reported NAVAREA broadcast at 2200/Reported wx broadcasts at 0210, 1210 & 1810
16,926.5	CW	CFH	Maritime Command, Halifax, NS, Canada (Canadian Forces)	FC	10.0	[C13L](NOAA reports wx broadcasts at 0200, 0630, 1400, 1800, 1930)-seasonal ice at 0230 & 1430
16,927.0	170/50N/CW	UJY	Kaliningrad Radio, USSR	FC	....	[4LC]
16,927.5	CW	XFE	Ensenada Radio, Mexico	FC	0.5	
16,928.0	CW	LZS35	Sofia Naval Radio, Bulgaria	FC	....
16,928.4	CW	LFX	Rogaland Radio, Norway	FC	5.0	
16,930.0	CW	OSN16	Oostende Naval, Belgium	FC	1.0	Belgium Navy
16,930.4	CW	SRS	Tamatave Radio, Madagascar	FC	2.0	
16,932.0	CW	7TA10	Algiers Radio, Algeria	FC	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
16,933.2	CW	JOS	Nagaski Radio, Japan	FC	3.0	
16,933.2	CW	WCC	Chatham Radio, MA	FC	30.0	
16,934.0	CW	RMP	Rostov Naval, USSR	FC	....	Russian Navy
16,935.0	CW	A7S	Qatar Radio, Qatar	FC	....
16,935.5	CW	XFA	Acapulco Radio, Mexico	FC	0.5	
16,936.0	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
16,936.0	CW	SXA4	Spata Attikis Naval, Greece	FC	5.0	Greek Navy/NATO
16,937.2	CW	GYA	London (Northwood) Naval, England	FC	5.0	British Navy
16,938.0	FAX	GZZ44	London (Northwood) Naval, England	FC	5.0	British Navy/ Meteo [aka GYD6]
16,938.0	CW	VTG8	Bombay Naval, India	FC	....	Indian Navy (Re-
16,938.0	CW		ported weather broadcasts at 0500, 0900 & 1500)			
16,940.0	CW	XSW	Kaohsiung Radio, Taiwan	FC	2.5	
16,942.0	CW	50Z23	Port Harcourt Radio, Nigeria	FC	1.0	
16,942.0	CW	RCV	Moscow Naval, USSR	FC	15.0	Russian Navy
16,942.0	CW	....	unknown	....	
16,942.9	CW	YUR7	Rijeka Radio, Yugoslavia	FC	6.0	
16,942.8	CW	EDF5	Aranjuez Radio, Spain	FC	....
16,943.0	CW	JFR	Nagasaki Gyogyo Radio, Japan	FC	....
16,945.0	CW	VNP	Cape Leveque Radio, WA, Australia	FC	1.0	TFL 1530
16,945.0	CW	6VA7	Dakar Radio, Senegal	FC	1.0	Drifts to 16,954.0
16,946.0	CW	LZL6	Bourgas Radio, Bulgaria	FC	1.0	
16,947.0	CW	CBV2	Valparaiso Naval, Chile	FC	1.0	Chilean Navy/ AMVER
16,947.0	CW	FFT8	St. Lys Radio, France	FC	10.0	
16,947.0	CW	8RB	Demerara Radio, Guyana	FC	1.0	
16,947.0	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
16,947.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
16,947.0	*170/50Nc	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
16,947.5	CW	8PO	Barbados Radio, Barbados	FC	1.0	
16,947.5	CW	VRT	Hamilton Radio, Bermuda	FC	....
16,947.6	CW	VIP5	Perth Radio, WA, Australia	FC	10.0	AMVER(NOAA reports wx broadcasts at 0100 & 1300)
16,947.6	CW	9MG11	Penang Radio, Malaysia	FC	5.0	
16,947.8	CW	TUA9	Abidjan Radio, Ivory Coast	FC	4.0	
16,948.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	AMVER
16,948.0	CW	RCV	Moscow Naval, USSR	FC	....	Russian Navy
16,948.0	CW	RIT	unknown, probably in the USSR	FC	....
16,948.6	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
16,949.0	CW	ULZ	Ventspils Radio, Latvian SSR	FC	5.0	
16,949.0	*170/50Nc	UQK2	Riga Radio, Latvian SSR	FC	20.0	
16,949.0	*170/50Nc	UPW2	Liepaja Radio, Latvian SSR	FC	5.0	
16,950.0	CW	XVG11	Haiphong Radio, Vietnam	FC	....
16,950.0	CW	9MB6	Penang Naval Radio	FC	....	NAWS
16,950.3	CW	XSQ4	Guangzhou Radio, PRC	FC	7.0	
16,951.5	CW	FUX	Le Port Naval, Reunion	FC	10.0	French Navy
16,951.5	CW	6WW	Dakar Naval, Senegal	FC	10.0	French Navy
16,952.2	CW	LFT	Rogaland Radio, Norway	FC	5.0	AMVER/ Seems to have newscast 1100-1200 & 1700-1800
16,953.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
16,954.4	CW	GKC6	Portishead Radio, England	FC	15.0	
16,955.0	*170/50Nc	UQK	Riga Radio, Latvian SSR	FC	20.0	
16,955.0	*170/50Nc	UPW2	Liepaja Radio, Latvian SSR	FC	5.0	
16,956.0	CW	CBV	Valparaiso Radiomaritima, Chile	FC	0.7	
16,956.0	CW	PZN26	Paramaribo Radio, Suriname	FC	1.0	
16,956.1	CW	TIM	Limon Radio, Costa Rica	FC	10.0	AMVER
16,957.7	CW	FUJ	Noumea Naval, New Caledonia	FC	20.0	French Navy
16,959.0	CW	FUV	Djibouti Naval, Djibouti	FC	10.0	French Navy
16,959.2	CW	CUG	Sao Miguel Radio, Azores	FC	5.0	
16,959.2	CW	CUB	Madeira Radio, Madeira Islands	FC	5.0	
16,959.2	CW	CUL22	Lisbon Radio, Portugal	FC	15.0	
16,960.0	CW	CKN	Vancouver Forces Radio, BC, Canada	FC	15.0	C. Forces/NAWS
16,960.0	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	1.0	ARAMCO (NOAA reports wx broadcasts on request)
16,960.0	CW	UMV	Murmansk Radio, USSR	FC	15.0	HX
16,961.0	CW	CLA40	Havana (Cojimar) Radio, Cuba	FC	5.0	
16,961.5	CW	FUF	Fort de France Naval, Martinique	FC	10.0	" "
16,962.0	CW	DXF	Davao Radio, Philippines	FC	0.4	
16,963.0	CW	5AL	Tobruk Radio, Libya	FC	0.5	
16,963.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
16,964.2	CW	ZRH6	Cape (Fisantekraal) Naval, RSA	FC	15.0	RSA Navy
16,965.0	CW	Y5M	Ruegen Radio, GDR	FC	10.0	
16,965.0	CW	UFW	Vladivostok Radio, USSR	FC	15.0	
16,966.0	CW	ZRQ6	Cape (Simonstown) Naval, RSA	FC	15.0	RSA Navy/ Reported wx broadcasts at 1030 & 1830
16,966.2	CW	SVI6	Athens Radio, Greece	FC	10.0	
16,966.5	CW	9VG58	Singapore Radio	FC	5.0	
16,967.5	CW	WLO	Mobile Radio, AL	FC	30.0	
16,968.0	CW	PPL	Belem Radio, Brazil	FC	1.0	
16,968.5	CW	WLO	Mobile Radio, AL	FC	30.0	
16,968.8	170/FEC	NMF	COMMSTA Boston, MA	FC	5.0	USCG (NOAA reports North Atlantic wx forecasts at 0200 & 1700)
16,969.0	CW	XSJ	Zhanjiang Radio, PRC	FC	....
16,970.0	CW	ICB	Genoa Radio, Italy	FC	5.0	
16,970.0	CW	UQB	Kholmsk Radio, USSR	FC	5.0	Reported wx broadcast at 0025
16,970.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
16,971.0	FAX	JJC	Tokyo Radio, Japan	FC	5.0	Meteo/Nx
16,972.0	CW	WCC	Chatham Radio, MA	FC	22.5	
16,973.6	CW	XST	Qingdao Radio, PRC	FC	30.0	
16,974.1	CW	SPE81	Szczecin Radio, Poland	FC	10.0	
16,974.6	CW	GKD6	Portishead Radio, England	FC	10.0	
16,975.0	CW	VWM	Madras Radio, India	FC	....
16,976.0	CW	DUN	Philippine Naval, Manila	....	
16,976.0	CW	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG/AMVER
16,976.8	CW	JFH	Hamajima Gyogyo Radio, Japan	FC	1.0	
16,977.0	CW	OMP6	Prague Radio, Czechoslovakia	FC	5.0	
16,978.4	CW	3BM6	Mauritius (Bigara) Radio, Mauritius	FC	5.0	(NOAA reports wx broadcasts at 0130, 0430, 0900 & 1600) Seasonal cyclone warnings broadcast at 2030
16,980.0	CW	UNQ	Novorossiysk Radio, USSR	FC	5.0	
16,980.4	CW	DAM	Norddeich Radio, GFR	FC	10.0	TIME SIGNALS
16,981.6	CW	SVG6	Athens Radio, Greece	FC	5.0	
16,983.2	CW	NMR	COMMSTA San Juan, PR	FC	10.0	USCG/AMVER
16,983.2	CW	URD	Leningrad Radio, USSR	FC	15.0	
16,983.5	CW	EQZ	Abadan Radio, Iran	FC	0.5	
16,983.9	CW	PPR	Rio de Janeiro Radio, Brazil	FC	1.0	TIME SIGNALS/Tfc
16,984.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
16,986.0	CW	CTP97	Oeiras Naval, Portugal	FC	5.0	Port. Navy/NAWS/ NATO
16,987.0	CW	VPS79	Cape D'Aguilar Radio, Hong Kong	FC	3.5	
16,987.2	CW	GYU6	Gibraltar Naval, Gibraltar	FC	10.0	British Navy
16,990.0	CW	HLO	Seoul Radio, South Korea	FC	3.5	
16,990.0	*170/50Nc	UFH	Petropavlovsk Radio, USSR	FC	20.0	
16,990.0	CW	USW2	Rostov Radio, USSR	FC	....
16,991.0	850/75Re	FUB	Paris (Houilles) Naval, France	FC	....	French Navy
16,992.8	CW	UAT	Moscow Radio, USSR	FC	15.0	
16,993.5	*170/50Nc	UBN	Jdanov Radio, Ukrainian SSR	FC	15.0	[425/66N]
16,995.0	CW	SVF6	Athens Radio, Greece	FC	5.0	
16,995.0	CW	9KK22	Kuwait Radio, Kuwait	FC	5.0	
16,995.0	CW	UFN	Novorossiysk Radio, USSR	FC	15.0	
16,997.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	HX
16,997.6	CW	WSL	Amagansett Radio, NY	FC	10.0	
16,998.5	CW	JDC	Choshi Radio, Japan	FC	15.0	
17,000.0	CW	Y5M	Ruegen Radio, GDR	FC	10.0	
17,000.0	CW	UEK	Feodosia Radio, USSR	FC	....
17,000.0	850/75R	....	unknown	FC	....	USN/FOXES
17,002.5	CW	CBM2	Magallanes (Punta Arenas) R., Chile	FC	2.0	
17,002.5	CW	XSG29	Shanghai Radio, PRC	FC	15.0	Reported wx broadcasts at 0000 and every 3rd hr/NAVAREA at 0200
17,002.5	170/75R	NMA	COMMSTA Miami, FL	FC	5.0	USCG AFTRS Nx 1800
17,004.5	CW	HKB	Barranquilla Radio, Colombia	FC	0.5	
17,005.0	CW	IAR37	Rome P.T. Radio, Italy	FC	15.0	
17,007.2	CW	PCH61	Scheveningen Radio, Netherlands	FC	10.0	AMVER
17,010.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
17,011.0	CW	XSX	Keelung Radio, Taiwan	FC	....
17,012.0	A7J	NAU	NAVCOMMSTA San Juan, PR	FC	5.0	USN
17,014.0	CW	UEK	Feodosia Radio, USSR	FC	1.0	
17,014.0	CW	JFX	Kagoshima Gyogyo Radio, Japan	FC	....
17,015.0	CW	UJQ	Kiev Radio, Ukrainian SSR	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
17,015.3	CW	"D"	unknown, probably Soviet Navy	FX	....	Beacon
17,015.5	CW	"F"	unknown, probably Soviet Navy	RC	....	Beacon
17,016.0	CW	SPH82	Gdynia Radio, Poland	FC	10.0	
17,016.0	*DATA	"C"	unknown	RC	....	Beacon
17,016.5	*170/ARQ	KPH	San Francisco Radio, CA	FC	30.0	
17,017.1	CW	OST6	Oostende Radio, Belgium	FC	30.0	
17,018.0	CW	ZSC44	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS
(NOAA reports wx broadcasts at 0930 & 1730)						
17,018.2	*850/75R	33AME	Madrid Radionaval, Spain	FC	20.0	[EBCq] Spanish
Navy/Reported NAVAREA broadcast at 0918, 1248 & 1618						
17,020.0	CW	UDK2	Murmansk Radio, USSR	FC	25.0	
17,020.8	*170/ARQ	WSL	Amagansett Radio, NY	FC	10.0	
17,021.6	*170/50Nc	UGG9	Belomorsk Radio, USSR	FC	5.0	
17,022.3	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
17,024.0	170/ARQ	SAB83	Goteborg Radio, Sweden	FC	....
17,025.0	CW	UPB	Providencia Bukhta Radio, USSR	FC	15.0	HX
17,026.0	CW	KFS	San Francisco Radio, CA	FC	30.0	
17,027.0	CW	OMP61	Prague Radio, Czechoslovakia	FC	....
17,027.0	CW	FFL8	St. Lys Radio, France	FC	10.0	
17,027.5	CW	HPP	Panama Radio, Panama	FC	5.0	
17,028.0	CW	PBC917	Goeree Island Naval, Netherlands	FC	....	[N13A] Dutch Navy
17,029.0	CW	JMC6	Tokyo Radio, Japan	FC	2.5	(NOAA reports
wx broadcasts at 0318 & 2118)						
17,030.0	CW	XSG	Shanghai Radio, PRC	FC	....
17,030.8	CW	GYC6	London (Northwood) Naval, England	FC	10.0	British Navy
17,032.0	CW	SXE	Aspropyrgos Radio, Greece	FC	3.5	Greek Coast
17,033.0	CW	UKW3	Korsakov Radio, USSR	FC	5.0	
17,034.0	CW	VWB	Bombay Radio, India	FC	1.0	
17,036.0	170/50Nc	UXN	Arkhangelsk Radio, USSR	FC	25.0	TASS Nx RR
(Wednesdays & Saturdays, only) 0900						
17,037.0	CW	YQI4	Constanta Radio, Rumania	FC	1.0	
17,038.0	CW	WNU55	Slidell Radio, LA	FC	20.0	
17,038.6	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	10.0	
17,040.0	CW	PJK317	Suffisant Dorp Naval, Curacao	FC	10.0	Dutch Navy
17,040.8	CW	FFS8	St. Lys Radio, France	FC	10.0	
17,040.8	CW	FJA26	Mahina Radio, Tahiti	FC	1.0	
17,043.2	CW	JCU	Choshi Radio, Japan	FC	15.0	
17,045.0	CW	ROT2	Moscow Naval, USSR	FC	15.0	Russian Navy
17,045.6	CW	LPD46	Gen. Pacheco Radio, Argentina	FC	15.0	
17,045.6	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
17,045.6	CW	9MG11	Penang Radio, Malaysia	FC	....	HX
17,045.6	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	
17,045.6	CW	YUR8	Rijeka Radio, Yugoslavia	FC	6.0	
17,048.0	CW	DAF	Norddeich Radio, GFR	FC	15.0	
17,048.0	CW	DZW	Manila Radio	FC	....
17,049.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
17,050.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	15.0	(RWWM)
TASS Nx						
17,050.0	CW	UKK3	Nakhodka Radio, USSR	FC	15.0	
17,050.1	CW	4XZ	Haifa Naval, Israel	FC	2.0	Israel Navy
17,050.4	CW	ASK	Karachi Radio, Pakistan	FC	3.5	
17,050.5	CW	S3D	Chittagong Radio, Bangladesh	FC	1.0	
17,052.5	CW	JNA	Tokyo Naval, Japan	FC	5.0	JMSDF/Reported
NAVAREA broadcasts at 0005, 0220, 0405, 0805 & 1205						
17,054.0	170/75Rc	....	unknown	FC	....
17,054.2	850/75N	CTV7	Monsanto Naval, Portugal	FC	6.0	Port. Navy (NOAA
reports wx forecasts at 0800 & 2000)						
17,055.0	CW	LZW62	Varna Radio, Bulgaria	FC	1.5	
17,055.0	CW	UDK2	Murmansk Radio, USSR	FC	25.0	
17,055.6	CW	D4A8	Sao Vicente Radio, Cape Verde	FC	3.0	
17,057.0	CW	CTV7	Monsanto Naval, Portugal	FC	6.0	Port. Navy
Reported wx broadcasts at 0800 & 2000						
17,057.2	CW	SAB8	Goteborg Radio, Sweden	FC	5.0	
17,059.0	CW	UAT	Moscow Radio, USSR	FC	10.0	
17,060.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
17,060.0	CW	UKK3	Nakhodka Radio, USSR	FC	15.0	HX
17,062.0	CW	FUX	Le Port Naval, Reunion	FC	10.0	French Navy
17,062.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
17,063.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
17,064.0	CW	SPH83	Gdynia Radio, Poland	FC	10.0	

kHz	Mode	Call	Location	Service	kW	Remarks
17,064.0	CW	UCO	Yalta Radio, Ukrainian SSR	FC	5.0	
17,064.9	CW	UAT	Moscow Radio, USSR	FC	10.0	
17,065.0	CW	EDZ6	Aranjuez Radio, Spain	FC	15.0	
17,068.5	CW	OXZ8	Lyngby Radio, Denmark	FC	10.0	
17,068.4	CW	JJC	Tokyo Radio, Japan	FC	15.0	
17,069.6	FAX	JJC	Tokyo Radio, Japan	FC	2.0	Meteo
17,069.6	CW	XFB3	Campeche Radio, Mexico	FC	1.0	PEMEX
17,069.6	CW	XFF2	Veracruz Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFK2	La Paz Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFM2	Manzanillo Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFQ2	Frontera (Tabasco) Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFS2	Tamaulipas Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFS4	Tecolutla Radio, Mexico	FC	1.0	" "
17,069.6	CW	XFY2	Guaymas (Sonora) Radio, Mexico	FC	1.0	" "
17,069.6	CW	SPEB3	Szczecin Radio, Poland	FC	10.0	
17,069.6	*170/50Nc	UJQ7	Kiev Radio, Ukrainian SSR	FC	25.0	
17,072.0	CW	GKG6	Portishead Radio, England	FC	10.0	
17,074.4	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	0200-0300
17,074.4	CW	LGX	Rogaland Radio, Norway	FC	5.0	AMVER
17,075.0	CW	ZSD47	Durban Radio, RSA	FC	3.5	
17,076.0	CW	CTD27	Punta Delgada Radio, Azores	FC	5.0	
17,076.6	*170/50Nc	UAH	Tallinn Radio, Estonian SSR	FC	15.0	HX
17,078.9	CW	HLF	Seoul Radio, South Korea	FC	10.0	
17,079.4	CW	SAG8	Goteborg Radio, Sweden	FC	5.0	AMVER
17,080.0	CW	XSQ	Guangzhou Radio, PRC	FC	5.0	
17,081.6	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
17,082.0	CW	DAF/DAB	Frankfurt (Usingen), GFR	FC	15.0	MARPRESS/Re-
				ported	GG nx	broadcast at 1618
17,083.9	CW	IQX	Trieste P.T. Radio, Italy	FC	6.0	
17,085.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	15.0	
17,088.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
17,088.8	CW	CTU7	Monsanto Naval, Portugal	FC	6.0	Port. Navy (0800/2000)
17,088.8	CW	KPH	San Francisco Radio, CA	FC	5.0	
17,090.0	CW	UKX	Nakhodka Radio, USSR	FC	25.0	Reported nx broadcast at 0100
17,090.0	CW	UAI3	Nakhodka Radio, USSR	FC	....
17,091.9	CW	DZF	Manila (Bacoor) Radio, Philippines	FC	1.0	
17,092.0	CW	GKH6	Portishead Radio, England	FC	10.0	
17,092.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
17,093.5	CW	AQP7	Karachi Naval, Pakistan	FC	7.0	Pakistan Navy
17,093.6	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
17,093.6	CW	WMH	Baltimore Radio, MD	FC	5.0	
17,094.8	CW	SVA6	Athens Radio, Greece	FC	10.0	
17,095.0	*850/75R	AME3	Madrid Radionaval, Spain	FC	....	[RETJ] Spanish Navy
17,096.0	CW	VPS80	Cape D'aguiar Radio, Hong Kong	FC	3.5	TIME SIGNALS/
				(NOAA reports wx broadcasts at 0118, 0430 & 0718)		
17,098.4	CW	GKA6	Portishead Radio, England	FC	15.0	(NOAA reports wx broadcasts at 0930 & 2130)Reported NAVAREA at 0730 & 1730
17,100.0	CW	Y5M	Ruegen Radio, CDR	FC	15.0	
17,100.0	CW	UFN	Novorossiysk Radio, USSR	FC	15.0	
17,100.0	CW	UOP	Tuapse Radio, USSR	FC	5.0	
17,101.5	CW	JFA	Matsudo Chuo Gyogyo Radio, Japan	FC	....
17,103.0	170/50Nc	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
17,103.2	CW	XSG3	Shanghai Radio, PRC	FC	20.0	
17,104.2	CW	PCH2	Scheveningen Radio, Netherlands	FC	15.0	AMVER
17,105.0	*USB	WWD	La Jolla (Scripps) Radio, CA	FC	5.0	NOAA
17,105.0	CW	IRM6	CIRM, Rome Radio, Italy	FC	7.5	AMVER/MEDICO
17,105.0	*170/50Nc	UFW	Vladivostok Radio, USSR	FC	5.0	
17,107.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	ESF
17,108.0	*850/75Re	FUF	Fort de France Naval, Martinique	FC	20.0	[RFLIF] French Navy
17,108.0	CW	UQK2	Riga Radio, Latvian SSR	FC	5.0	
17,108.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
17,110.0	*170/50Nc	UKK3	Nakhodka Radio, USSR	FC	10.0	
17,110.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	HX
17,110.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
17,112.0	CW	DZP	Novaliches Radio, Philippines	FC	1.0	Reported wx broadcasts at 0300 & 1100
17,112.6	CW	JCS	Choshi Radio, Japan	FC	3.0	
17,113.0	CW	GKB6	Portishead Radio, England	FC	15.0	
17,115.0	CW	URD	Leningrad Radio, USSR	FC	15.0	HX

kHz	Mode	Call	Location	Service	kW	Remarks
17,115.5	CW	XFL	Mazatlan (Sinaloa) Radio, Mexico	FC	0.5	
17,117.6	850/75R	PBC317	Goeree Island Naval, Netherlands	FC	10.0	Dutch Navy
17,117.6	CW	WNU45	Slidell Radio, LA	FC	4.4	(NOAA reports wx broadcasts at 0430 & 1630)
17,117.9	CW	LZS36	Sofia Naval Radio, Bulgaria	FC	....
17,118.0	CW	HLG	Seoul Radio, South Korea	FC	15.0	
17,119.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
17,120.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	
17,122.2	*700/50N	PWZ34	Rio de Janeiro Naval, Brazil	FC	10.0	Brazilian Navy
17,125.0	CW	JJF	Tokyo Naval, Japan	FC	3.0	JSDA
17,125.9	*170/50N	Y7A68	Berlin (Nauen), GDR	FX	20.0	EMBASSY
17,126.0	CW	XSZ	Dalian Radio, PRC	FC	....
17,127.2	CW	NRK	NAVCOMMSTA Keflavik, Iceland	FC	....	USN
17,127.2	*850/...e	CTW7	Monsanto Naval, Portugal	FC	10.0	Port. Navy
17,127.2	CW	ZLP6	Irirangi Naval, New Zealand	FC	2.0	RNZ Navy
17,128.0	425/50R	Y7A69	Berlin (konigs Wusterhausen), GDR	FX	20.0	ADN/EMBASSY
17,128.0	CW	HAR	Budapest Naval Radio, Hungary	FC	5.0	
17,128.5	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	AMVER
17,128.5	CW	DZE	Manila Mandaluyong Radio	FC	....	wx at 1000
17,129.0	CW	CTW7	Monsanto Naval, Portugal	FC	....	[P13G] Port. Navy
17,129.7	CW	HLW	Seoul Radio, South Korea	FC	15.5	
17,130.0	CW	ROT	Moscow Naval, USSR	FC	15.0	Russian Navy
17,131.0	425/50R	BAC7	Beijing, PRC	FX	80.0	Tfc/Tirana
17,132.0	850/75Ne	GYA	London (Northwood) Naval, England	FC	....	British Navy
17,132.0	CW	VPC	Falkland Islands Radio, Falkland Is.	FC	1.0	
17,132.0	CW	ZS36	NAVCOMCEN (Silvermine) Cape, RSA	FC	5.0	RSA Navy/AMVER
17,132.0	CW	XSV	Tianjin Radio	FC	10.0	
17,134.0	170/50N/CW	UN72	Klaipeda Radio	FC	....
17,135.0	*170/50Nc	UJQ7	Kiev Radio, Ukrainian SSR	FC	15.0	
17,135.0	CW	"6LR"	unknown	FC	....
17,135.0	CW	DZR	Manila Radio, Philippines	FC	2.0	(NOAA reports wx broadcast at 0120)
17,135.7	CW	GKN6	Portishead Radio, England	FC	15.0	
17,136.8	CW	GKM6	Portishead Radio, England	FC	15.0	
17,137.0	*850/...e	FUO	Toulon Naval, France	FC	5.0	French Navy
17,137.0	CW	UHK	Batumi Radio, USSR	FC	....
17,137.7	CW	GK06	Portishead Radio, England	FC	15.0	
17,138.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	5.0	[RWWM]
Appears to have a Saturday TASS newscast at 1000						
17,138.5	CW	VIS		FC	....	TFL/Odd Hour+50
17,139.3	850/75R	33AME	Madrid Radionaval, Spain	FC	....	Spanish Navy
17,140.0	CW	XDA	Mexico City, Mexico	FC	....
17,140.0	CW	UMV	Murmansk Radio, USSR	FC	15.0	
17,141.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
17,141.6	CW	JGC	Yokohama Radio, Japan	FC	1.0	JMSA
17,141.6	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	15.0	
17,141.6	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
17,143.0	CW	DZD	Manila (Antipolo) Radio, Philippines	FC	0.4	Reported wx broadcasts at 0300 & 1100
17,143.6	CW	DAN	Norddeich Radio, GFR	FC	15.0	
17,145.0	CW	LZW6	Varna Radio, Bulgaria	FC	15.0	
17,146.4	CW	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG/AMVER
17,146.4	CW	4X0	Haifa Radio, Israel	FC	2.5	
17,147.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
17,147.2	CW	SVJ6	Athens Radio, Greece	FC	5.0	
17,148.7	CW	TIM	Limon Radio, Costa Rica	FC	....
17,151.2	CW	GKI6	Portishead Radio, England	FC	15.0	
17,151.2	*170/75N	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG/Wx broad- casts at 0030, 1900 & 2100
17,151.2	FAX	NMC	COMMSTA San Francisco, CA	FC	2.0	USCG/Wx pics at 0000 (Mondays, only), 1700, 2000 & 2300
17,151.7	CW	DZZ	Manila Radio, Philippines	FC	0.1	
17,152.0	CW	UJY2	Kaliningrad Radio, USSR	FC	15.0	
17,153.0	CW	UQA4	Murmansk Radio, USSR	FC	15.0	
17,153.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
17,154.0	CW	HLO	Seoul Radio, South Korea	FC	...	
17,155.0	CW	ROT	Moscow Naval, USSR	FC	15.0	Russian Navy
17,155.0	*170/50Nc	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	
17,155.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
17,155.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	25.0	

kHz	Mode	Call	Location	Service	kW	Remarks
17,156.0	CW	NGR	NAVCOMMSTA Nea Makri, Greece	FC	30.0	USN
17,159.6	CW	WOE	Lantana Radio, FL	FC	5.0	
17,160.0	CW	PWZ33	Rio de Janeiro Naval, Brazil	FC	2.0	Brazilian Navy
			(NOAA reports wx broadcasts at 0030, 0630 & 1730)			
17,160.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	Reported wx broadcasts at 1030 & 2300
17,160.8	CW	LSA6	Boca Radio, Argentina	FC	3.0	
17,160.8	CW	IAR27	Rome P.T. Radio, Italy	FC	15.0	(NOAA reports wx broadcasts at 0700 & 1900)
17,161.1	425/50R	Y7A7ø	Berlin (Nauen), GDR	FX	5.0	EMBASSY
17,161.3	CW	VIS6	Sydney Radio, NSW, Australia	FC	5.0	AMVER
17,162.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	(NOAA reports wx broadcasts at 0400 & 2020)
17,163.0	425/50N/CW	RNO	Moscow Radio, USSR	FC	....	SAAMC
17,164.8	CW	ZSC7	Cape Town Radio, RSA	FC	10.0	
17,165.6	CW	CLA41	Havana (Cojimar) Radio, Cuba	FC	5.0	
17,165.6	CW	LFF	Rogaland Radio, Norway	FC	5.0	AMVER
17,166.4	CW	JCT	Choshi Radio, Japan	FC	3.0	
17,167.5	CW	GKKø	Portishead Radio, England	FC	10.0	
17,168.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	(NOAA reports wx broadcasts at 0200 & 1400)
17,169.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
17,170.0	CW	PPJ	Juncao Radio, Brazil	FC	1.0	
17,170.0	*170/50Nc	UDK2	Murmansk Radio, USSR	FC	25.0	
17,170.1	CW	PPL	Belem Radio, Brazil	FX	1.0	(NOAA reports wx broadcasts at 0130, 0800 & 1930)
17,170.4	CW	CNP	Casablanca Radio, Morocco	FC	2.0	
17,170.4	CW	PJC5	Curacao (Willemstad) R., Curacao	FC	2.5	
17,170.4	CW	ZLB6	Awarua Radio, New Zealand	FC	5.0	AMVER
17,170.4	CW	WPD	Tampa Radio, FL	FC	5.0	(NOAA reports wx broadcasts at 1430 & 2020)
17,171.9	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
17,172.4	CW	9MG11	Penang Radio, Malaysia	FC	5.0	
17,172.4	170/ARQ	WLC	Mobile Radio, AL	FC	30.0	(NOAA reports wx broadcasts at 1300 & 2300)
17,173.0	CW	ZAD2	Durres Radio, Albania	FC	1.0	
17,174.8	CW	A9M4	Bahrain Radio, Bahrain	FC	2.0	
17,175.2	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	AMVER (NOAA reports wx broadcasts at 0130, 0530 & 1730)
17,175.2	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
17,175.2	CW	5ZF4	Mombasa Radio, Kenya	FC	1.5	
17,175.2	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
17,175.2	CW	EDG5	Aranjuez Radio, Spain	FC	15.0	
17,175.2	CW	70A	Aden Radio, PDR Yemen (South)	FC	2.0	
17,175.6	CW	CLS	Havana (Industria Pesquera) R., Cuba	FC	5.0	PL Nx 2000-2100 Not on Sundays (To Ships at Sea)
17,176.0	425/50R	Y7A71	Berlin (Nauen), GDR	FX	5.0	EMBASSY
17,176.1	CW	DZG	Manila (Marilao) Radio, Philippines	FC	1.0	AMVER (NOA# reports wx broadcasts at 0300 & 1500)
17,177.0		UDZ	Poti Radio, USSR	FC	....	[4LT5]
17,177.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
17,177.6	CW	DAL	Norddeich Radio, GFR	FC	15.0	
17,180.0	CW	LOL3	Buenos Aires Naval, Argentina	FC	3.0	Argentinian Navy/ TIME SIGNALS
17,180.0	CW	HWN	Paris (Houilles) Naval, France	FC	2.0	French Navy
17,180.0	CW	JFE	Naha Gyogyo Radio, Okinawa, Japan	FC	1.0	
17,181.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
17,182.0	CW	LZL63	Bourgas Radio, Bulgaria	FC	1.5	
17,182.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
17,183.5	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
17,184.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	1.0	
17,184.7	CW	EAD5	Aranjuez Radio, Spain	FC	15.0	
17,184.8	*170/ARQ	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports wx broadcasts at 0420, 1620, 2200 & 2300
17,184.8	CW	PKE	Amboina Radio, Indonesia	FC	1.0	0600-0700
17,184.8	CW	PKP	Dumai Radio, Indonesia	FC	1.0	0500-0600
17,184.8	CW	PKA	Sabang Radio, Indonesia	FC	1.0	0230-0300
17,184.8	CW	9YL	North Post Radio, Trinidad	FC	2.0	(NOAA reports warning broadcasts at 1200 & 1530)
17,184.8	CW	9PA	Banana Radio, Zaire	FC	3.0	

kHz	Mode	Call	Location	Service	kW	Remarks
17,184.8	CW	9PM21	Matadi Radio, Zaire	FC	1.0	
17,187.0	CW	OST62	Oostende Radio, Belgium	FC	10.0	
17,188.2	CW	SVD6	Athens Radio, Greece	FC	5.0	
17,189.6	CW	D3F	Lobito Radio, Angola	FC	2.0	
17,189.6	CW	D3E71	Luanda Radio, Angola	FC	5.0	
17,189.6	CW	XYR9	Rangoon Radio, Burma	FC	1.0	
17,189.6	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
17,189.7	CW	CLN653	Havana (Bauta), Cuba	FX	....	Tfc/UCA & UJY
17,189.9	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	....
17,190.0	CW	UYJ2	Kaliningrad Radio, USSR	FC	....	Working with CLN653
17,190.5	CW	UHK	Batumi Radio, Georgian SSR	FC	15.0	Black Sea (HX)
17,192.0	850/50R	BUA21	Wulumuqi, PRC	FX	5.0	Tfc/Beijing
17,192.0	CW	VRN80	Cape D'agular Radio, Hong Kong	FC	3.0	
17,194.0	CW	C2N	Nauru Radio, Nauru	FC	1.0	
17,194.4	CW	VLS64	Sydney Radio, NSW, Australia	FC	5.0	
17,194.4	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS
17,194.4	CW	SVB6	Athens Radio, Greece	FC	5.0	
17,197.5	*170/ARQ	9VG82	Singapore Radio	FC	10.0	
17,197.5	*170/ARQ	WSL	Amagansett Radio, NY	FC	10.0	
17,198.1	*170/ARQ	GKE6	Portishead Radio, England	FC	15.0	
17,199.0	CW	50W17	Lagos Radio, Nigeria	FC	1.0	
17,199.5	170/ARQ	LGX2	Rogaland Radio, Norway	FC	5.0	
17,199.5	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
17,199.5	170/FEC	WLO	" " "	FC	15.0	
17,200.0	*170/ARQ	VIP35	Perth Radio, WA, Australia	FC	1.0	
17,200.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
17,201.0	170/ARQ	....	unknown, calls: "PETRO"	....	....
17,201.0	170/FEC	FTT81	St. Lys Radio, France	FC	15.0	wx bulletin
17,202.0	170/ARQ	KHK	Kahuku Radio, HI	FC	5.0	
17,203.0	170/FEC	NRV	COMMSTA Barrigada, Guam	FC	5.0	USCG (NOAA reports
Northwest Pacific & Indian Ocean forecasts at 0000, 0500 & 1500)						
17,203.5	*170/ARQ	KPH	San Francisco Radio, CA	FC	....
17,204.3	*170/ARQ	VLS84	Sydney Radio, NSW, Australia	FC	10.0	
17,204.5	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
17,205.0	425/50Rc	UYJ2	Kalinngrad Radio, USSR	FC	5.0	
17,205.1	*170/ARQ	HEC17	Berne Radio, Switzerland	FC	10.0	
17,206.0	RTTY	9MG	Penang Radio, Malaysia	FC	....
17,207.1	170/ARQ	NMC	COMMSTA San Francisco, CA	FC	....	USCG
17,207.4	*170/ARQ	WCC	Chatham Radio, MA	FC	....
17,208.0	170/ARQ	KHK	Kahuku Radio, HI	FC	5.0	
17,208.5	170/FEC	SVT6	Athens Radio, Greece	FC	5.0	Nx GG 1800
17,209.5	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
17,210.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
17,214.0	425/50R	BZP58	Wulumuqi, PRC	FX	10.5	XNA Nx EE 0630-0930 1200-1300 [Beamed to Europe]
17,215.2	*170/ARQ	GKP6	Portishead Radio, England	FC	15.0	
17,215.9	CW	WCC	Chatham Radio, USA	FC	....
17,217.0	170/ARQ	EAD/EDZ	Aranjuez Radio, Spain	FC	6.0	
17,221.0	170/ARQ	HEC27	Berne Radio, Switzerland	FC	10.0	
17,221.0	170/50Rc	UFH	Petropavlosk Radio, USSR	FC	....
17,223.0	*170/ARQ	LGX3	Rogaland Radio, Norway	FC	5.0	
17,227.1	*170/ARQ	DCF	Nordeich Radio, GFR	FC	....
17,227.5	170/50Nc	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
17,228.0	CW	UAT	Moscow Radio, USSR	FC	....
17,231.0	*FAX	GQK6	Portishead Radio, England	FC	15.0	
17,231.3	850/50R	....	unknown	FX	....	Meteo
17,232.9 - 17,356.9 kHz — MARITIME COAST USE DUPLEX (Worldwide)						
17,232.9	USB	LPL	Gen. Pacheco Radio, Argentina	FC	5.0	NOAA CH#1601 (16,460.0)
17,232.9	USB	KQM	Honolulu Radio, HI	FC	1.0	CH#1601
17,232.9	USB	LFN2	Rogaland Radio, Norway	FC	10.0	" (16,460.0)
17,232.9	USB	WOM	Miami Radio, FL	FC	10.0	" "
(NOAA reports wx broadcasts at 1230)						
17,232.9	USB	....	Novorossiysk, USSR	FC	....
17,236.0	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#1602

kHz	Mode	Call	Location	Service	kW	Remarks
						(16,436.1)
17,236.0	USB	GKT62	Portishead Radio, England	FC	10.0	" "
17,236.0	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
17,237.0	CW	TJC9	Douala Radio, Cameroon	FC	0.2	HX
17,239.1	USB	5BA62	Nicosia Radio, Cyprus	FC	10.0	CH#1603
						(16,466.2)
17,239.1	USB	....	Rome Radio 7, Italy	FC	7.0	" "
17,239.1	USB	LFN3	Rogaland Radio, Norway	FC	10.0	" "
17,239.1	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
17,239.1	USB	WAH	St. Thomas Radio, VI	FC	1.0	CH1603
17,240.0	425/50R	....	unknown, undoubtedly in USSR	FX	....	Bakhtar Nx
			in Pashto & Dari languages—30 minutes starting			0630 & 1245
17,242.2	USB	VCS	Halifax CG Radio, NS, Canada	FC	5.0	CH#1604
						(16,469.3)
17,242.2	USB	LFB3	St. Lys Radio, France	FC	10.0	" "
17,242.2	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
17,242.2	USB	LFN4	Rogaland Radio, Norway	FC	10.0	" "
17,245.3	USB	FFL86	St. Lys Radio, France	FC	10.0	CH#1605
						(16,472.4)
17,245.3	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
17,245.3	USB	....	Moscow Radio, USSR	FC	10.0	" "
17,245.3	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
			(NOAA reports wx broadcasts at 0100, 1300 & 1900)			
17,248.4	USB	....	Reykjavik Radio, Iceland	FC	10.0	CH#1606
						(16,475.5)
17,248.4	USB	....	Rome Radio 7, Italy	FC	7.0	" "
17,248.4	USB	....	Moscow Radio, USSR	FC	10.0	" "
17,248.4	USB	....	several, in the USA	FC	....	USCG/CH#1606
			(Includes: NMA, Miami, FL; NMC, San Francisco, CA & NMG, New Orleans, LA)			(16,475.5)
17,251.5	USB	3AC16	Monaco Radio, Monaco	FC	10.0	CH#1607
						(16,478.6)
17,251.5	USB	LFN6	Rogaland Radio, Norway	FC	10.0	" "
17,251.5	USB	WLO	Mobile Radio, AL	FC	10.0	" "
17,254.6	USB	ICB	Genoa Radio 7, Italy	FC	7.0	CH#1608
						(16,481.7)
17,254.6	USB	ZSC28	Cape Town Radio, RSA	FC	10.0	" "
17,254.6	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
17,257.7	USB	SVN6	Athens Radio, Greece	FC	10.0	CH#1609
						(16,484.8)
17,257.7	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
17,257.7	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 1330)			
17,260.8	USB	VIS	Sydney Radio, NSW, Australia	FC	5.0	CH#1610
						(16,487.9)
17,260.8	USB	DAP	Norddeich Radio, GFR	FC	10.0	" "
17,260.8	USB	WOM	Miami Radio, FL	FC	10.0	" "
17,260.8	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
17,263.9	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#1611
						(16,491.0)
17,263.9	USB	HEB17	Berne Radio, Switzerland	FC	10.0	" "
17,263.9	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 2330)			
17,263.9	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	CH#1611
						(16,491.0)
17,267.0	USB	KVH	Norfolk Marine Center, VA	FC	....	NOAA/CH#1612
						(16,494.1)
17,269.0	850/75	....	unknown	....	
17,270.1	USB	OSU63	Oostende Radio, Belgium	FC	10.0	CH#1613
						(16,497.2)
17,270.1	USB	4X0	Haifa Radio, Israel	FC	10.0	" "
17,270.1	USB	9VG68	Singapore Radio, Singapore	FC	10.0	" "
17,270.1	USB	....	numerous, around North America	FC	....	USCG
17,273.2	USB	ICB	Genoa Radio 7, Italy	FC	7.0	CH#1614
						(16,500.3)
17,273.2	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
17,276.3	USB	CUL37	Lisbon Radio, Portugal	FC	5.0	CH#1615
						(16,503.4)
17,276.3	USB	HEB27	Berne Radio, Switzerland	FC	10.0	" "

kHz	Mode	Call	Location	Service	kW	Remarks
17,279.4	USB	DAJ	Norddeich Radio, GFR	FC	10.0	CH#1616 (16,506.5)
17,279.4	USB	....	Rome Radio 7, Italy	FC	7.0	" "
17,279.4	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
17,282.5	USB	....	Haifa, Israel	FC	....	CH#1617 (16,509.6)
17,285.6	USB	....	Buenos Aires, Argentina	FC	....	CH#1618 (16,512.7)
17,285.6	USB	....	Haifa Radio, Israel	FC	....	" "
17,285.6	USB	....	Portishead Radio, England	FC	....	" "
17,288.7	USB	FFL84	St. Lys Radio, France	FC	10.0	CH#1619 (16,515.8)
17,288.7	USB	LFN23	Rogaland Radio, Norway	FC	10.0	" "
17,291.8	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#1620 (16,518.9)
17,291.8	USB	WFN	Jeffersonville, IN	FC/MS	0.8	Inland Waterway
17,291.8	USB	WGK	St. Louis (Granite City, IL), MO	FC/MS	1.0	" "
17,291.8	USB	WCM	Pittsburgh, PA	FC/MS	0.8	" "
17,291.8	USB	WJG	Memphis, TN	FC/MS	0.8	" "
17,291.8	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	CH#1620 (16,518.9)
(NOAA reports wx broadcasts at 0100, 1300 & 1900)						
17,294.9	USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#1621 (16,522.0)
17,298.0	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#1622 (16 525.1)
17,298.0	USB	FFL85	St. Lys Radio France	FC	10.0	" "
17,301.1	USB	PCG63	Scheveningen Radio, Netherlands	FC	5.0	CH#1623 (16,528.2)
17,301.1	USB	....	Kiev Radio, Ukrainian SSR	FC	5.0	" "
17,301.1	USB	....	Moscow Radio, USSR	FC	5.0	" "
17,302.0	425/75R	BXM85	unknown	FX	....	PRC EMBASSY
17,304.2	USB	....	Rome Radio 7, Italy	FC	7.0	CH#1624 (16,531.3)
17,304.2	USB	....	Riga, Latvia	FC	....	" "
17,304.2	USB	....	Kaliningrad Radio, USSR	FC	....	" "
17,307.3	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1625 (16 534.4)
17,307.3	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	USCG CH#1625 (NOAA reports wx broadcasts at 1630 & 2230) (16,534.4)
17,307.3	USB	NMN	COMMSTA Portsmouth, VA	FC	10.0	USCG CH#1625 (NOAA reports wx broadcast at 1730) (16,534.4)
This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMG, New Orleans, LA; NMF, Boston, MA; NOJ, Kodiak, AK; NMO, Honolulu, HI and NRV, Barrigada, Guam)						
17,310.4	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1626 (16,537.5)
17,310.4	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
17,313.5	USB	LFN26	Rogaland Radio, Norway	FC	10.0	CH#1627 (16,540.6)
17,313.5	USB	....	Nakhadka Radio, USSR	FC	....	" "
17,313.5	USB	....	Bar Radio, Yugoslavia	FC	....	" "
17,313.5	USB	....	Ryeka Radio, Yugoslavia	FC	....	" "
17,316.6	USB	FFL81	St. Lys Radio, France	FC	10.0	CH#1628 (16,543.7)
17,319.7	USB	Y5P	Ruegen Radio, GDR	FC	10.0	CH#1629 (16,546.8)
17,319.7	USB	LFN27	Rogaland Radio, Norway	FC	10.0	" "
17,322.1	USB	ZSD41	Durban Radio, RSA	FC	10.0	" "
17,325.9	USB	SPC82	Gdynia Radio, Poland	FC	10.0	CH#1631 (16,553.0)
17,325.9	USB	HEB37	Berne Radio, Switzerland	FC	10.0	" "
17,325.9	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
17,329.0	USB	GKW62	Portishead Radio, England	FC	10.0	CH#1632 (16,556.1)
17,329.0	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
17,329.0	USB	WLO	Mobile Radio, AL	FC	10.0	" "
17,332.1	USB	FFL82	St. Lys Radio, France	FC	10.0	CH#1633

kHz	Mode	Call	Location	Service	kW	Remarks
17,335.2	USB	....	Norddeich Radio, GFR.	FC	10.0	(16,559.2) CH#1634
17,338.3	USB	....	Lyngby Radio, Denmark	FC	10.0	(16,562.3) CH#1635
17,341.4	USB	PCG61	Scheveningen Radio, Netherlands	FC	10.0	(16,565.4) CH#1636/AMVER
17,344.5	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	(16,568.5) CH#1637
17,347.6	USB	....	Helsinki Radio, Finland	FC	10.0	(16,571.6) CH#1638
17,347.6	USB	NMC	COMMSTA San Francisco, CA	FC	10.0	(16 574.7) USCG/CH#1638
			This frequency is also used by USCG Coast Stations; NMF, Boston, MA; NMN, Portsmouth, VA & NMO, Honolulu, HI			
17,350.7	USB	DAH	Norddeich Radio, GFR	FC	10.0	(16,574.7) CH#1639
17,350.7	USB	PCG62	Scheveningen Radio, Netherlands	FC	10.0	(16 77.8)
17,350.7	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
17,353.8	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1640
17,356.9	USB	9VG69	Singapore Radio	FC	10.0	(16,580.9) CH#1641
17,356.9	USB	....	Goteborg Radio, Sweden	FC	5.0	(16,584.0) " "
17,356.9	USB	WLO	Mobile Radio, AL	FC	10.0	" "
(NOAA reports wx broadcasts at 1330, 1730 & 2330)						
17,360.0 - 17,700.0 kHz — FIXED SERVICE (Worldwide)						
17,360.0	425/50R	RCF41	Moscow, USSR	FX	20.0	Bakhtar Nx EE
			0415-0545 (Not on Saturdays)	[Beamed to the Middle East]		TASS Nx AA 0600-0800
						(Neither broadcast on Sundays) 0815-1445
						[Beamed to the Middle East]
17,362.0	425/50N	HZN48	Jeddah, Saudi Arabia	FX	....	Meteo
17,362.0		HZN	unknown			100 bd.
17,362.0	*425/50R	Y7G29	unknown, probably in the Far East	FX	....	GDR EMBASSY
17,364.0	850/50R	CLN560	Havana (Bauta), Cuba	FX	30.0	
17,365.0	CW	ZVE	Manaus Aeradio, Brazil	AX	1.5	Aero Tfc
17,365.0	CW	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Aero Tfc
17,365.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	10.0	British Navy
17,365.0	CW	9EQ70	Addis Ababa, Ethiopia	FX	0.5	Italian EMBASSY
17,365.0	CW	....	Tel Aviv, Israel	FX	0.2	Philippine
						EMBASSY
17,365.0	425/50N	Y7G41	Tokyo, Japan	FX	....	GDR EMBASSY
17,365.0	*FAX	5YE3	Nairobi, Kenya	FX	10.0	Meteo (1200)
17,366.6	425/50N	Y7A72	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN Nx GG
17,367.0	CW	D2U21	Luanda, Angola	AX	3.0	Tfc/Accra,
			Lubumbashi, Maputo, etc.			[Alt: 17,400.0]
17,367.0	425/50R	Y7L36	Havana, Cuba	FX	....	GDR EMBASSY
17,367.0	CW	ET037	Addis Ababa, Ethiopia	FX	1.0	GDR EMBASSY
17,368.0	FAX	....	unknown	FX	....
17,370.0	425/50R	BZT48	Wulumuqi, PRC	FX	25.0	XNA
						[Beamed to Europe]
17,370.0	425/50N	Y7L36	Havana, Cuba	FX	....	GDR EMBASSY
17,370.0	425/50R	RB173	Moscow, USSR	FX	15.0	Bakhtar Nx EE
			0415-0545	[Beamed to N. America & India]		
17,370.0	425/50R	RB173	Moscow, USSR	FX	15.0	Bakhtar Nx Dari
				(Not on Saturdays)		0630-0700
17,370.0	425/75R	RB173	Moscow, USSR	FX	15.0	APN Nx EE
17,370.2	250/50N	....	unknown	FX	....	Nx GG 1730
17,373.0	CW	6MK58	Seoul, South Korea	FX	....	Yonhap Nx Korean
						(Not on Sundays) 0030-0430
17,375.0	425/50N	†0DP37	Beirut, Lebanon	FX	8.0	REUTERS
17,375.0	CW	3VA23	Tunis, Tunisia	FX	1.0	MFA
17,377.0	850/....e	RFFM	unknown	FX	....
17,380.0	B9W	BCA23	Nanking, PRC	FX	20.0	Tfc/San Francisco
17,380.0	850/....e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
17,380.0	CW	FUM	Papeete Naval, Tahiti	FX	10.0	French Navy
17,381.9	850/75N	YWM1	Maracaibo Naval, Venezuela	FX	....	Venezuela Navy

kHz	Mode	Call	Location	Service	kW	Remarks
17,385.0	*425/75R	Z2F81	Harare, Zimbabwe	FX	1.0	PRC EMBASSY
17,385.0	USB	"AF1"	"AIR FORCE ONE" (in flight)	MA	....	USAF VIP "Mystic Star"
17,386.0	B8E	TJF73	Douala, Cameroon	FX	20.0	Telcom/Tfc
17,388.0	F1B	....	unknown	FX	....	SPA Nx FF 0955ip
17,389.0	575/50R	3VA74	Tunis, Tunisia	FX	6.0	TAP Nx AA 1000-1300 (Not on Sundays) FF 1300-1500 (Daily) FF 1500-1630 [Beamed to Europe]
17,389.0	....	....	unknown	....	....	TAP Nx 1100-1300
17,389.0	425/50R	....	Tunis, Tunisia	FX	....	SPA Nx FF 1100 1500-1630 Nx EE/FF to AF WRTI#4/84
17,390.0	B9W	AIF	Yokota AB, Japan	FX	5.0	USAF
17,390.0	850/50N	9VE45	Singapore Aeradio, Singapore	AX	5.0	
17,391.5	B8E	KUQ20	Pago Pago, American Samoa	FX	10.0	Telcom
17,393.0	F7B	CLN562	Havana (Bauta), Cuba	FX	30.0	Tfc/Warsaw
17,393.0	B8E	CLMX	Havana (Bauta), Cuba	FX	15.0	Telcom/Mexico
17,394.5	425/50R	HMP22	Pyongyang, North Korea	FX	....	Tfc/EUR
17,395.0	425/50R	BZC76	Wulumuqi, PRC	FX	25.0	XNA
			[Beamed to North Africa & the Middle East]			
17,395.0	425/50N	Y7A73	Berlin (Konigs Wusterhausen), GDR	FX	20.0	MFA/ADN
17,395.0	CW	Y7G34	Hanoi, Vietnam	FX	1.0	GDR EMBASSY
17,395.0	CW	Z2F13	Harare, Zimbabwe	FX	1.0	GDR EMBASSY
17,395.4	*AM	....	unknown	....	....	CW inside AM carrier
17,396.5	425/50N	IRP43	Rome (Torrenova), Italy	FX	10.0	ANSA
			[Beamed to the Far East]			
17,397.0	425/50R	HMY47	Pyongyang, PDR Korea	FX	....
17,397.0	CW	Y7F54	Damascus, Syria	FX	....	GDR EMBASSY
17,398.0	250/...e	....	unknown	FX	....
17,398.5	USB	....	several, USA nationwide	FX	....	DOE
17,400.0	425/50R	BBE52	Shanghai, PRC	FX	40.0	Tfc/Havana
17,400.0	425/50N	5ST83	Antananarivo Aeradio, Madagascar	AX	5.0	Tfc/East Africa
			Ivato Airport (Schedule: 0335, 0635, 0935, 1235, 1535 & 1835)			
17,402.0	CW	....	Ankara, Turkey	FX	1.0	MFA
17,403.0	426/50N	BAL32	Beijing, PRC	FX	25.0	
17,404.0	CW	UCA	Odessa, Ukrainian SSR	FX	5.0	Tfc/Havana
17,405.0	F1B	1GAQ37	London (Dorchester), England	FX	30.0	Nx
17,405.0	850/75Ne	ZLK44	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
17,408.6	*FAX	WWD	La Jolla (Scripps), CA	FX	....	(NOAA reports wx broadcasts 1700 & 2300--June to October)

17,410.0 - 17,550.0 kHz — FIXED SERVICE (Worldwide)

17,410.0	F7B	RRQ22	Alma Ata, USSR	FX	50.0	
17,410.0	USB	....	MISSIONARY	FX	....	USN
17,411.0	FAX	....	unknown, probably in USSR	FX	....
17,412.0	B8E	TYK73	Cotonou, Benin	FX	20.0	Telcom/Tfc
17,414.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF
17,414.0	F1B	HMG75	Pyongyang (Jungsan), PDR Korea	FX	25.0	KCNA
			[Beamed to Europe]			
17,414.0	425/50N	GHH	Jamestown, St. Helena Island	FX	1.0	[FHSB] Meteo
			0200/1000 & 1400 (Sked: 0200, 1000 & 1400)			
17,415.0	CW	OFJ	Helsinki Radio, Finland	FC	....
17,415.0	USB		GREY BASE wkg GREY BASE ONE	FX	....	US Navy tactical
17,416.5	170/50*	ZCK	Hong Kong Aeradio, Hong Kong	AX	7.5	[KVA] Tfc/Vietnam
17,417.5	B8E	PCK27	Hilversum (Kootwijk), Netherlands	FX	30.0	Backup feeder for Radio Netherland
17,418.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
17,418.0	USB	OHU21	Paris, France	FX	1.0	Finnish EMBASSY
17,420.0	425/50R	BZK28	Wulumuqi, PRC	FX	40.0	XNA
			[Beamed to South America]			
17,420.9	135/...e	....	unknown	FX	....	vy strong
17,423.0	F1B	HMV57	Pyongyang, PDR Korea	FX	....	KCWS
17,424.0	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
17,426.0	850/75N	10NN31	Brussels, Belgium	FX	1.0	USA EMBASSY
17,426.0	CW	KKN44	Monrovia, Liberia	FX	1.0	" "
17,426.0	CW	KRH70	unknown	FX	1.0	" "
17,427.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA (Reported using this frequency: SAM45, Ankara, Turkey, SAM46, Baghdad, Iraq; SAM48, Damascus, Syria; SAM50, Cairo, Egypt; SAM52, Tel Aviv, Israel; SAM54, Vientiane, Laos; SAM58, Jakarta, Indo-

kHz	Mode	Call	Location	Service	kW	Remarks
			nesia; SAM61, New Delhi, India; SAM64, Pyongyang, North Korea; SAM65, Seoul, South Korea & SAM81, Bissau, Guinea-Bissau) [Alt: 14,968.5 & 18,808.0]			
17,427.4	170/ARQ	OPD47	Helsinki (Nummela), Finland	FX	20.0	Tfc
17,430.0	425/50R	9VF209	Singapore	FX	5.0	JiJi Nx EE 1330-1430
				(Not on Sundays) [Non-directional]		
17,430.0	LSB	SAM	Stockholm, Sweden	FX	1.2	MFA (Reported)
			using this frequency: SAM20, Athens, Greece; SAM36, Budapest, Hungary; SAM37, Bucharest, Rumania; SAM45, Ankara, Turkey; SAM47, Beirut, Lebanon; SAM52, Tel Aviv, Israel; SAM39, Hanoi, Vietnam & SAM74, Monrovia, Liberia) [Alt: 14,971.5]			
17,430.0	475/75Rc	....	unknown	FX	....
17,432.0	F1	....	Nouakchott, Mauritania	FX	....	Spanish EMBASSY
17,435.0	425/50R	Y2V37	Berlin (Nauen), GDR	FX	20.0	ADN
17,435.0	170/50N	DFR43	Frankfurt (Bonames), GFR	FX	20.0	Tfc/Canada
17,436.5	FAX	WFK67	New York, NY	FX	50.0	Meteo (1950-2350)
17,437.0	USB	9UB83	Bujumbura, Burundi	FX	10.0	Telcom
17,440.0	CW	ART	Rawalpindi, Pakistan	FX	1.0	Tfc/Ankara
17,440.0	425/50R	XVA91	Hanoi, Vietnam	FX	5.0	
17,440.0	B8E	....	several, USA nationwide	FX	....	USAF (Includes: AGF9, Scott AFB, IL; AFI, McClellan AFB, CA; AGA, Hickam AFB, HI; etc.)
17,441.0	850/50R	ASE5	Karachi, Pakistan	FX	10.0	[KRG] Tfc/Rangoon
17,443.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY [Alt: 15,870.0]
17,443.0	425/50R	BZG48	Wulumuqi, PRC	FX	40.0	XNA
				[Beamed to Africa]		
17,443.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
17,443.0	850/50R	9VC83	Singapore, Singapore	FX	5.0	
17,445.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE feeder
17,448.5	CW	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabian
				EMBASSY [Alt: 14,748.5 & 17,622.5]		
17,450.0	AM	....	RADIO BEIJING, Beijing, PRC	BC	25.0	Feeder RR
				Reversed tape 0300-0400		
17,451.5	850/75N	ZLO	NAVCOMMSTA Waiouru, New Zealand	FX	5.0	RNZ Navy
17,453.0	425/45R	CLN565	Havana (Bauta), Cuba	FX	20.0	Tfc/Shanghai
17,455.0	425/50N	HXX23	Paris (St. Assise), France	AX	10.0	Meteo (0040-1400)
17,458.0	*F1B	ONN36	Brussels, Belgium	FX	1.0	Angola EMBASSY
17,460.0	850/50N	LWB	Buenos Aires Aeradio, Argentina	AX	1.5	Tfc/Rio de Janeiro
17,460.0	425/50R	CME341	Havana, Cuba	FX	1.0	Hungarian EMBASSY
17,460.0	A9J	CME400	Havana, Cuba	FX	0.5	British EMBASSY
17,464.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF
17,467.5	850/50N	GYU	Gibraltar Naval	FX	10.0	British Navy
17,468.0	425/50N	HGO24	Budapest, Hungary	FX	15.0	MTI Nx EE 0600-0645
				[Beamed to the Far East]		
17,470.0	425/50R	BZS28	Wulumuqi, PRC	FX	40.0	XNA
17,470.0	425/50R	CLN566	Havana (Bauta), Cuba	FX	20.0	PL
17,470.0	B8E	FTR47	Paris (St. Assise), France	FX	20.0	Telcom
17,472.5	850/50R	....	unknown	FX	....	RYRY
17,475.0	425/50R	BBC25	Shanghai, PRC	FX	5.0	Tfc/Bangkok
17,475.0	425/50R	CME388	Havana, Cuba	FX	1.0	Benin EMBASSY
17,475.0	325/75Rc	....	unknown	FX	....
17,477.0	425/50R	BAS50	Beijing, PRC	FX	25.0	Tfc/Damascus
17,478.0	850/50R	ZYK	Belem Aeradio, Brazil	AX	1.5	Tfc/Rio de Janeiro
17,480.0	850/50N	VNJ	Casey Base, Antarctica	FX	10.0	ANARE
17,480.0	B9W	VLZ	Davis Base, Antarctica	FX	5.0	ANARE
17,480.0	B8E	ATJ67	Bombay (Kirkee), India	FX	10.0	Telcom
17,480.0	425/50R	....	New Delhi, India	FX	....	Indonesian EMB
17,480.0	425/50R	FJY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	
17,480.0	475/75Rc	....	unknown	FX	....
17,482.0	USB	VLV	Mawson Base, Antarctica	FX	5.0	ANARE
17,482.0	USB	VNM	Hobart (Kingston), Tas., Australia	FX	1.0	"
17,485.0	425/50N	HSD37	Bangkok Aeradio, Thailand	AX	2.5	Meteo
17,486.0	CW	CFH	Maritime Command, Halifax, NS, Canada	FX	10.0	Tfc/London
				(Canadian Forces)		
17,486.0	USB	VDD	Debert, NS, Canada	FX	10.0	Canadian Forces
17,487.0	850/50R	BAY7	Beijing, PRC	FX	15.0	XNA
				[Beamed to Moscow]		
17,487.0	USB	....	numerous, USA nationwide	FX	1.0	USAF/MARS (In-

kHz	Mode	Call	Location	Service	kW	Remarks
			cludes: AGA1HA, Hanscom AFB, MA; AGA2LA, Langley AFB, VA; AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGHA5MC, McCord AFB, WA; AGA6TR, Travis AFB, CA; AIR, Pentagon, Washington, DC; etc.)			
17,488.5	425/....	....	numerous, USA nationwide	FX	1.0	USAF
17,488.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 15,922.0 & 19,297.1]
17,489.6	1000/....	....	unknown	FX	....
17,490.0	170/75N	NRV	COMMSTA Barrigada, Guam	FX	....	USCG
17,490.0	F1B	HSD37	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Dhaka
17,490.0	425/50R	"YBU"	unknown, very probably in Cuba	FX	....	Coded Tfc
17,490.5	850/75Ne	ZLO35	Irirangi Naval, New Zealand	FX	10.0	RNZ Navy
17,491.5	850/50N	ZEN83	Cape D'Aguilar, Hong Kong	FX	8.0	
17,492.0	FAX	SOR249	Warsaw, Poland	FX	20.0	PAP Nx
			Wednesdays, only: 1000-1030	(To Fishing Fleet)		
17,492.0	425/50Rc	SOQ249	Warsaw, Poland	FX	20.0	PAP Nx RR 0900-0930
17,492.0	425/50R	SOQ249	Warsaw, Poland	FX	20.0	PAP Nx EE 1700-1730
						[Beamed to the Middle East]
17,494.5	425/50R	CLN567	Havana (Bauta), Cuba	FX	30.0	
17,497.0	425/50R	BAO2	Beijing, PRC	FX	5.0	Tfc/Hanoi
17,498.0	500/50R	MSU	London, England	FX	....	DCN
17,500.0	425/50N	RFFAG	Paris, France	FX	....	French Military
17,500.0	850/50R	RFLIG	Cayenne, French Guiana	FX	....	" "
17,500.0	850/50R	RFLIA	Fort de France, Martinique	FX	....	" "
17,500.0	850/50N	RFUA	Fort de France Naval, Martinique	FX	....	French Navy
17,502.0	425/50R	"KAC"	unknown, very probably in Cuba	FX	....
17,503.0	USB	Y3H	Berlin (Nauen), GDR	FX	20.0	Telcom
17,503.7	USB	FTR50	Paris (St. Assise), France	FX	20.0	Telcom
17,504.0	425 50R	YKA	Damascus Aeradio, Syria	AX	....
17,504.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
17,507.0	170/50*	MKD	Akrotiri, Cyprus	FX	20.0	DCN
17,510.0	FAX	OXI	Skamlebaek Radio, Denmark	FX	20.0	Dannish Marine
						Meteo (1335-1355)
17,510.0	425/50R	RFD53	Moscow, USSR	FX	....	TASS Nx EE 0500-1245
						[Beamed to Southeast Asia]
17,510.0	F7B	RGW23	Moscow, USSR	FX	20.0	Tfc/Shanghai
17,510.0	425/75R	REM56	Nikolayev, Ukrainian SSR	FX	50.0	TASS
						[Beamed to Africa]
17,515.0	B9W	TYK75	Cotonou, Benin	FX	20.0	Telcom/Tfc
17,520.0	425/50N	Y3H	Berlin (Nauen), GDR	FX	20.0	
17,520.0	CW	4UZ	Geneva, Switzerland	FX	1.0	UN
17,520.0	425/50N	HSW61	Bangkok, Thailand	FX	....	Meteo
17,520.4	425/50R	CNM72/X9	Rabat (Tanger), Morocco	FX	10.0	MAP
						[Beamed to the Middle East]
17,520.5	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
17,525.0	*F1B	ONN41	Brussels, Belgium	FX	1.0	Benin EMBASSY
17,525.0	425/50N	OLV3	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 0630-0730
						(No newscasts on Sundays) 0915-1000
						[Beamed to Africa & the Far East]
17,525.0	425/50R	YTS3	Belgrade, Yugoslavia	FX	15.0	Tfc/Beijing
17,528.0	CW	RLX	Dublin, Ireland	FX	0.5	USSR EMBASSY
17,527.5	piccolo	....	unknown	FX	....
17,530.0	CW	NPN	NAVCOMMSTA Agana, Guam	FX	15.0	USN
17,530.0	850/75Ne	NAU	NAVCOMMSTA San Juan, PR	FX	5.0	USN
17,532.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	....	Polish EMBASSY
17,535.0	AM	....	RADIO BELJING, Beijing, PRC	BC	25.0	Russian Service
						(Feeder with reversed tape)
17,535.0	850/50R	5NK35	Kano, Nigeria	FX	6.0	Meteo
17,536.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
17,537.0	425/50R	YOR35	Bucharest (Tiganesti), Rumania	FX	10.0	AGERPRESS
						[Beamed to South America]
17,537.9	USB	FZW75	Pointe a Pitre, Guadeloupe	FX	20.0	Telcom/Paris
17,538.0	425/50R	ORI27	Brussels, Belgium	FX	20.0	Tfc/Shanghai
17,539.0	Piccolo	....	unknown	FX	....	British EMBASSY
17,539.5	USB	HZN	Jeddah, Saudi Arabia	FX	10.0	Meteo
17,539.5	425/....	....	numerous, worldwide	FX	....	USN

kHz	Mode	Call	Location	Service	kW	Remarks
17,544.1	350/50N	FTR54/H1	Paris (St. Assise), France	FX	20.0	AFP Nx AA 1000-1330 [Beamed to the Middle East]
17,545.0	170/50R	CME393	Havana, Cuba	FX	1.0	Finnish EMBASSY
17,545.0	850/50R	5NK34	Kano Aeradio, Nigeria	AX	3.5	Meteo (NOAA re- ports surface analysis at 1130)
17,545.5	350/50N	FTR54/H3	Paris (St. Assise), France	FX	20.0	AFP Nx FF 1200-1700
			("MOY Service")			[Beamed to the Middle East]
17,547.5	425/50R	CNR93	Rabat (Tangier), Morocco	FX	10.0	
17,550.0 - 17,900.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
17,550.0	CW	LQC20	Buenos Aires (Mt. Grande), Argentina	FX	5.0	TIME SIGNALS/ Tfc
17,550.0	*425/75R	UJY2	Kaliningrad, USSR	FX	5.0	Tfc/Havana
17,550.0	425/50R	....	Moscow, USSR	FX	15.0	APN Nx AA/FF 0700
17,550.0	425/50R	....	unknown	FX	....	RYRY
17,550.0	F1B	RCG77	unknown	...	....	TASS Nx Armenian 1215-1400
17,550.0	F1B	....	unknown	...	....	APN Nx FF
17,550.0	425/75R	....	unknown	...	....	APN Nx AA
17,552.0	CW	KWL90	Tokyo, Japan	FX	1.0	USA EMBASSY
17,553.0	850/50N	9DM27	Teheran, Iran	FX	....	Meteo (0300-1500)
17,553.0	170/50R	YIZ71	Baghdad, Iraq	FX	30.0	INA Nx AA 0700-1600
						[Beamed to Africa & the Middle East]
17,553.5	USB	LOL	Buenos Aires Naval, Argentina	FX	3.0	Argentinian Navy
17,553.5	USB	YWM	Maracaibo Naval, Venezuela	FX	....	Venezuelian Navy
17,554.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
17,555.0	170/75R	OEC	Vienna, Austria	FX	10.0	MFA
17,555.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....	Domestic Service
17,555.0	170/75R	OEC57	Pretoria, RSA	FX	1.0	Austrian EMBASSY
17,555.9	425/50R	CNM73/X9	Rabat (Tangier), Morocco	FX	10.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700 [Beamed to North America]
17,556.4	LSB	OEC	Vienna, Austria	FX	10.0	MFA
17,556.4	LSB	OEC57	Pretoria, RSA	FX	1.0	Austrian EMBASSY
17,557.0	F7B	CLN569	Havana (Bauta), Cuba	FX	20.0	Tfc/Paris
17,559.0	B8E	9NB27	Kathmandu, Nepal	FX	10.0	Telcom/Tokyo
17,559.5	850/75N	CKN	Vancouver, BC, Canada	FX	10.0	Canadian Forces
17,560.0	*FAX	↑CFH	Maritime Radio, Halifax, NS, Canada	FX	10.0	Canadian Forces/ Meteo
17,560.0	B9W	AID20	Kadena AB, Okinawa, Japan	FX	10.0	USAF
17,560.0	LSB	RCF42	Moscow, USSR	FX	15.0	Feeder for ALL-UNION RADIO
17,561.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
17,561.0	USB	OHU23	Tel Aviv, Israel	FX	1.0	Finnish EMBASSY
17,563.0	F1B	↑GIW37B	London (Dorchester), England	FX	30.0	AP
17,565.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
17,565.0	AM	....	VOICE OF GREECE, Athens, Greece	BC	....	External Service
17,567.0	425/50R	CLN570	Havana (Bauta), Cuba	FX	5.0	PL
						[Beamed to South America]
17,570.0	425/50R	RTU44	Moscow, USSR	FX	15.0	TASS Nx FF 0600-1545 1600-1900 [Beamed to West Africa]
17,571.0	425/50N	S2D	Dacca Aeradio, Bangladesh	AX	....
17,571.0	850/50R	BAW37	Beijing, PRC	FX	10.0	XNA
17,572.0	CW	3BN	Plaisance, Mauritius	AX	2.0	Aero Tfc
17,575.0	850/50N	VTK	Tuticorin Naval, India	FX	....	Indian Navy
17,575.0	850/...e	FUX	Le Port Naval, Reunion	FX	5.0	French Navy
17,579.0	CW	4XZ	Haifa Naval, Israel	FX	....	Israel Navy
17,580.0	LSB	....	Moscow, USSR	FX	15.0	Feeder for MAYAK
17,580.0	425/50N	XVN62	Hanoi, Vietnam	FX	15.0	
17,585.0	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
17,586.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
17,590.0	CW	LOL	Buenos Aires Naval, Argentina	FX	3.0	Argentinian Navy
17,590.0	CW	CPF2	La Paz Naval, Bolivia	FX	....	Bolivian Navy
17,590.0	CW	PWZ	Rio de Janeiro Naval, Brazil	FX	15.0	Brazilian Navy
17,590.0	CW	CCQ	Iquique Naval, Chile	FX	....	Chilean Navy
17,590.0	CW	CCS	Santiago Naval, Chile	FX	....	Chilean Navy
17,590.0	CW	5KM	Bogota Naval, Colombia	FX	....	Colombian Navy
17,590.0	CW	HDN	Quito Naval, Ecuador	FX	....	Ecuadorian Navy

kHz	Mode	Call	Location	Service	kW	Remarks
17,590.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	2.0	USN
17,590.0	CW	OBC	Callao Naval, Peru	FX	....	Peruvian Navy
17,590.0	425/100N	HZN49	Jeddah, Saudi Arabia	FX	10.0	Meteo
17,590.0	CW	CXR	Montevideo Armada Radio, Uruguay	FX	....	Uruguayan Navy
17,590.0	CW	YWM1	Maracaibo Naval, Venezuela	FX	....	Venezuelan Navy
17,595.0	CW	GYA	London (Northwood) Naval, England	FC	....	British Navy
17,595.0	AM	....	RTVM, Tangier, Morocco	BC	....	External Service
17,597.0	425/50R	....	Sofia, Bulgaria	FX	....	MFA
17,597.5	850/50R	JAQ57	Tokyo, Japan	FX	10.0	KYODO Nx EE
(Not on Sundays) 0240-0410						
0430-0600 & 0610-0640						
[Beamed to North America]						
DPA Nx EE 0900-1450						
[Beamed to Southeast Asia]						
17,599.0	CW	....	unknown	FX	....	Coded Tfc
17,600.0	425/50R	BZM48	Wulumuqi, PRC	FX	25.0	XNA
[Beamed to Africa]						
17,600.0	425/50R	SOR260	Warsaw, Poland	FX	20.0	Tfc/Havana
17,600.0	425/75R	....	Moscow, USSR	FX	15.0	APN Nx FF 0800-1100
PP 1200-1300						
17,605.0	CW	KKN50	NCS Warrenton Virginia Complex	FX	10.0	US State Dept.
17,610.0	850/...e	J2B76	Djibotui Naval, Djibouti	FX	5.0	French Navy
17,610.0	425/50R	YZJ8	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG Nx SS
1800-1830 [Beamed to Latin America]						
17,611.5	CW	BPA	Urumqi, PRC	AX	....	Aero Tfc
17,612.5	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
17,617.0	850/50N	JAQ67	Tokyo, Japan	FX	5.0	
17,617.0	USB	AFS	Offutt AFB, NE	FX	0.5	USAF
17,618.6	USB	Y3H2	Berlin (Nauen), GDR	FX	20.0	Telcom
17,619.1	425/50R	OET17	Vienna, Austria	FX	20.0	Tfc/Karachi
17,620.0	425/50R	Y3H2	Berlin (Nauen), GDR	FX	20.0	MFA/ADN
17,620.0	CW	IDQ	Rome Naval, Italy	FX	15.0	Italian Navy
(Reported Nx in II at 1800)						
17,620.0	850/50N	9VF211	Singapore	FX	5.0	
17,622.5	USB	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabian
EMBASSY [Alt: 17,448.5 & 23,098.5]						
17,627.0	850/...e	IBA	Naples Naval, Italy	FX	1.0	Italian Navy/NATO
17,628.0	425/50N	CLN	Havana (Bauta), Cuba	FX	20.0	Tfc/UJY2
17,630.0	CW	VTK6	Tuticorin Naval, India	FX	....	Indian Navy
17,632.5	425/50	SU020	Cairo Aeradio, Egypt	AX	....	Meteo
17,640.0	425/50N	↑RFLIC	Cayenne Naval Air, French Guiana	FX	....	French Navy
17,640.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	....	External Service
17,642.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
17,642.0	USB	....	unknown, probably in Brazil	FX	....	Net/PP
17,645.0	850/50N	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Lima
17,650.0	CW	....	Ankara, Turkey	FX	1.0	MFA
17,653.0	850/...e	HWN	Paris (Houilles) Naval, France	FX	10.0	French Navy
17,655.0	CW	FUJ	Noumea Naval, New Caledonia	FX	2.5	French Navy
17,655.0	50/...e	....	several, worldwide	FX	....	French Navy
17,656.0	425/75N	4UT	Bangkok, Thailand	FX	1.0	UN
17,659.0	850/...e	....	several, USA east coast	FX	....	USN
17,660.0	425/50Rc	ULV	Moscow, USSR	FX	....
17,662.5	425/75N	....	Delano, CA	FX	40.0	USIA
17,662.5	425/75N	....	Dixon, CA	FX	40.0	USIA
17,665.0	850/...e	....	several, worldwide	FX	....	French Navy
17,669.0	850/50N	ZAA	Tirana, Albania	FX	....	ATA
17,670.0	425/50N	Y7A74	Berlin (Nauen), GDR	FX	20.0	MFA
17,670.5	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	4.0	USAF/Meteo
17,672.5	425/50R	XVB2	Hanoi, Vietnam	FX	....	Tfc/Europe
17,675.0	USB	....	several, Australia Nationwide	FX	....	Police (For
list of stations see 13,730.0)						
17,675.0	B8E	FTR67	Paris (St. Assise), France	FX	20.0	Telcom
17,680.0	F7B	CLN576	Havana (Bauta), Cuba	FX	50.0	Tfc/Moscow
17,680.0	425/50R	SOR268	Warsaw, Poland	FX	20.0	
17,680.0	F7B	RBA58	Magadan 1, USSR	FX	80.0	
17,685.0	USB	PP7A	Paulista, Brazil	FX	1.0	USAF
17,685.6	425/50R	BAC25	Beijing, PRC	FX	5.0	Tfc/Prague
17,686.5	850/75Ne	ZL050	Iirirangi Naval, New Zealand	FX	10.0	RNZ Navy
17,690.0	850/...e	....	numerous, worldwide	FX	....	USN (active)
17,695.0	B9W	ZFD82	Hamilton, Bermuda	FX	30.0	Emergency

kHz	Mode	Call	Location	Service	kW	Remarks
17,695.0	CW	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Sal
17,695.0	B8E	JBQ67	Tokyo, Japan	FX	5.0	Telcom/Tfc
17,696.0	425/50R	CLN577	Havana (Bauta), Cuba	FX	20.0	Tfc/Budapest
17,700.0 - 17,900.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
17,900.0 - 18,030.0 kHz — AERONAUTICAL MOBILE (Worldwide)						
17,901.0	USB	....	Antananarivo Radio, Madagascar	FA	5.0	
17,904.0	USB	....	ICAO CEP-5	FA/MA	...	Reserved for enroute and Honolulu and San Francisco airports
17,904.0	USB	....	numerous (ICAO CWP-1/CWP-2)	FA/MA	...	Airports & enroute across the North Pacific Ocean--usually heard are the Guam/Agana, Honolulu, Manila, Tokyo, etc. airports
17,904.0	USB	....	numerous (ICAO NP-3/NP-4)	FA/MA	...	Airports & enroute across the far Northern Pacific Ocean--usually heard the Anchorage, Cold Bay, Tokyo, etc. airports
17,904.0	USB	....	numerous (ICAO SP-6/SP-7)	FA/MA	...	Airports & enroute throughout the South Pacific Ocean--usually heard are the Auckland, Honolulu, Nandi, Sydney, etc. airports
17,907.0	USB	....	ICAO E-CAR	FA/MA	...	Reserved for enroute and New York/JFK and San Juan airports
17,907.0	USB	....	numerous (ICAO SE-SAM)	FA/MA	...	Airports & enroute above 20°S--usually heard are Asuncion, Buenos Aires/Ezeiza [LWB], Porto Alegre, Rio de Janeiro, etc. airports
17,907.0	USB	....	numerous (ICAO SEA-1/SEA-3)	FA/MA	...	Airports & enroute in the eastern Indian Ocean--usually heard are the Darwin, Dhaka, Jakarta, Perth, etc. airports
17,909.0	AM	....	Brazzaville, Congo	FA	5.0	VOLMET in FF
17,913.0	USB	PRQ863	Belem Radio, Brazil	FA	0.5	
17,913.0	USB	PRJ652	Recife Radio, Brazil	FA	0.5	
17,922.0	USB	....	London, England	FA	...	Speedbird London
17,925.0	USB	Y4A	Berlin (Schfeld), GDR	FA	0.2	
17,925.0	USB	....	Houston LDOC	FA	....
17,925.0	USB	....	ICAO C-SAM	...	....
17,925.0	USB	....	Dharan Radio, Saudi Arabia	FA/MA	1.0	
17,925.0	USB	....	This frequency used for hijacking	emergency transmissions		
17,931.0	USB	....	Bahrain	FA	....	LDOC
17,933.0	USB	9VA26	Singapore Aeradio	FA/MA	6.0	
17,936.0	CW	COL	Havana Aeradio, Cuba	FA/MA	...	USSR Aeroflot
17,936.0	CW	RPNV	Moscow Aeradio, USSR	FA/MA	...	" "
[In-flight mostly to/from Havana]						
17,937.0	USB	YVL424	Maiquetia Radio, Venezuela	FA/MA	1.0	
17,940.0	USB	....	Las Palmas/Canaries Radio, Canary Island	FA/MA	1.0	
17,940.0	USB	....	Hong Kong Radio, Hong Kong	FA/MA	3.0	
17,940.0	USB	9VA3Ø	Singapore Radio	FA/MA	6.0	
17,946.0	USB	....	numerous (ICAO NAT-A/NAT-B/NAT-C/NAT-D)	FA/MA	FA/MA	Airports & enroute across the North Atlantic Ocean--usually heard are the Gander, Las Palmas/Canaries, New York/JFK, Reykjavik, Santa Maria, Shanwick, etc. airports
17,949.0	USB	VIS58	Sydney Radio, NSW, Australia	FA/MA	1.5	
17,949.0	USB	....	Jo'Burg (Jan Smuts), RSA	FA/MA	...	
17,955.0	USB	....	numerous (ICAO SAT-1/SAT-2)	FA/MA	...	Airports & enroute across the South Atlantic Ocean--usually heard are the Las Palmas/Canaries, Dakar, Sal, etc. airports
17,961.0	USB	....	numerous (AFI-1/AFI-5/INO-1)	FA/MA	...	Airports & enroute across the Indian Ocean--usually heard are the Addis Ababa, Cocos, Perth, etc. airports
17,962.0	B7W	....	unknown	FX	....
17,966.0	USB	CI02	unknown	FX	....	LETTERS/EE/YL
17,972.0	USB	AKA5	Elemendorf AFB, AK	FA/MA	...	USAF
17,972.0	USB	AF3A	Andrews AFB, MD	FA/MA	...	USAF
17,972.0	USB	"AF1"	"AIR FORCE TWO" (in flight)	MA	...	USAF VIP a/c
17,975.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usually AFB9, March AFB, CA; AJE, Croughton, England; XPT, Thule AB, Greenland & AJG9, Incirlik AB, Turkey) [Has been used for SKY KING broadcasts. Sometimes referred to as the "TANGO" frequency]

kHz	Mode	Call	Location	Service	kW	Remarks
17,982.0	USB	....	Stockholm Radio, Sweden	FA/MA	5.0	
17,982.0	USB	....	Enköping, Sweden	FA	....
17,982.0	USB	....	several, in Australia & New Zealand	FA/MA	...	RAAF/RNZAF
17,982.0	USB	....	numerous, worldwide	FA/MA	...	USN
17,985.0	USB	....	numerous, mostly Atlantic Coast	FA/MA	...	USN
17,990.0	CW	NAW	NAVCOMMSTA Guantanamo, Cuba	FX	....	USN
17,992.0	B8E	TFK	Keflavik Airport, Iceland	FA/MA	5.0	USAF
17,993.0	USB	AFA	Andrews AFB, MD	FA/MA	...	USAF
17,993.0	USB	ZRB2	Pretoria (Waterkloof AFB), RSA	FA/MA	...	RSA Air Force
17,995.0	USB	....	Canadian Military Air/Ground	..	....
17,995.0	CW	FUF	Fort de France Naval, Martinique	FX	....	French Navy
17,998.0	CW	CAK	Santiago (Los Cerrillos AB), Chile	FA/MA	...	Chilean AF
18,002.0	USB	....	numerous, worldwide ally AGA, Hickam AFB, HI; AGA8, Clark AB, Philippines; AFI, McClellan, CA; AFL, Loring AFB, ME; AIF80, Yokota AB, Japan; AFG37, Scott AFB, IL; CUW, Lajes Field, Azores; etc.) [Used for "SKY KING" broadcasts. May also be used by AWACS and hurricane hunting a/c]	FA/MA	...	USAF (Usu-
18,003.0	USB	....	several, Australia nationwide	FA/MA	....	RAAF
18,003.4	CW	KCA205	unknown	FA	....	clg KCA068
18,006.0	....	"LMA"	Cairo, Egypt	FX	....	MFA
18,008.0	....	....	Salyut Satellites	EH	....	USSR
18,009.0	USB	....	numerous, worldwide	FA/MA	...	USN
18,009.7	B7W	....	unknown	FX	....	Tfc/AA
18,012.0	USB	....	several, in Canada and Europe	FA/MA	..	RCAF
18,012.0	USB	....	numerous, worldwide	FA/MA	..	USN
18,013.5	CW	CAK	Santiago (Los Cerrillos AB), Chile (NOAA reports wx broadcasts at 0130, 1330 & 2000)	FA	0.2	Chilean AF
18,016.5	850/....	....	numerous, USA nationwide	FX	....	USN
18,018.0	USB	GFW	"Cyprus Flight Watch", Cyprus (Wx broadcasts 00+30 between 0500-1600, only)	FA	....	RAF
18,018.0	USB	....	unknown "ARCHITECT" clg	FA	....	RAF Strike Command Headquarters callsign (0800-1800) [Mondays-Fridays, only]
18,018.9	CW	....	unknown	FX	....
18,019.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Usu- ally: AFE8, MacDill AFB, FL; AFE83, Ascension Island; AHF3, Albrook AFS, Panama; AIF80, Yokota AB, Japan & AGA8, Clark AB, Philippines, etc.) [May be used for "SKY KING" broadcasts]
18,020.7	...	CLN650	Havana (Bauta), Cuba	FX	....	clg ULV
18,022.0	USB	A4I	Seeb Int'l. Radio, Oman	FA/MA	1.0	Oman AF
18,023.0	USB	HEE81	Berne Radio, Switzerland	FA/MA	...	
18,023.5	USB	....	several, Australia nationwide	FA/MA	...	RAAF
18,027.0	USB	....	several, worldwide	FA/MA	...	USAF (Parti- cularly AFA3, Andrews AFB, MD and "AIR FORCE ONE" when on overseas flights)
18,030.0 - 19,990.0 kHz — FIXED SERVICE (Worldwide)						
18,031.0	CW	CLP1	Havana, Cuba	FX	....	MINREX
18,031.1	170/...e	....	unknown	FX	....
18,031.8	425/50Rc	....	unknown, probably in USSR	FX	....
18,032.0	CW	†GYA	London (Northwood) Naval, England	FX	5.0	British Navy
18,032.5	J3E	PW2	Warsaw, Poland	FX	0.5	Cairo/Prague
18,032.4	425/50R	XVK29	Hanoi, Vietnam	FX	....
18,035.0	850/50N	ATR68	Calcutta, India	FX	10.0	Tfc/Bucharest
18,035.0	425/50R	TUR5141	Abidjan, Ivory Coast	FX	1.0	Tfc/Paris
18,035.0	425/50N	JAT28	Tokyo, Japan	FX	5.0	DPA Nx EE 1500-1900
18,035.9	250/...e	....	strange sig reads like 75R in AA but M600 says			it's 50 baud
18,035.9	350/50R	....	unknown	FX	....
18,036.4	CW	....	hand keyed long text with many SS names			
18,037.0	425/50R	ONN28	Brussels, Belgium	FC	0.5	PRC EMBASSY
18,040.0	850/50R	ZRH84	Cape (Fisantekraal) Naval, RSA	FX	10.0	[RSVIC] RSA Navy
18,040.7	850/50R	TCY4	Ankara, Turkey	FX	5.0	AA Nx EE/FF
				0715-1015	[Beamed to Southeast Asia]	
				1030-1215	[Beamed to Western Europe]	
				Nx Turkist 1215-1345	[Beamed to Western Europe]	
18,042.0	425/75N	†....	Belgrade, Yugoslavia	FX	....	MFA
18,042.5	425/75R	"DFZG"	unknown	FX	....	RYRY

kHz	Mode	Call	Location	Service	kW	Remarks
18,043.4	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
18,045.0	425/75Rc	....	unknown, probably in the USSR	FX	....
18,046.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
18,046.0	CW	FVA80	Rosny, France	FX	....	GNF Hdq
18,046.0	CW	FBZ99	unknown	FX	....	GNF
18,046.0	USB	....	unknown	FX	....
18,047.2	170/75R	....	Warsaw, Poland	FX	....	MFA
18,047.5	850/50N	JAT48	Osaka, Japan	FX	5.0	
18,048.0	CW	....	unknown	FX	....	rpts Coded Tfc
18,048.6	USB	AFS	Offutt AFB, NE	FX	0.5	USAF
18,050.0	CW	"LM4"	Jakarta, Indonesia	FX	....	MFA
18,050.0	CW	"LK1"	Baghdad, Iraq	FX	....	Indonesian EMBASSY
18,050.0	850/50N	JAZ28	Tokyo, Japan	FX	5.0	
18,050.0	850/50N	9VF255	Singapore	FX	10.0	
18,050.0	425/50R	RQV70	Moscow, USSR	FX	15.0	TASS Nx EE 0600-1515 [Beamed to West Africa]
18,050.0	425/50R	YZI	Belgrade, Yugoslavia	FX	30.0	TANJUG
18,050.0	425/45Ne	↑....	several, USA nationwide	FX	....	FCC Backup Net
18,051.0	FAX	VNA31	Hanoi, Vietnam	FX	....	VNA pics 0800-0900
18,052.0	170/ARQ	....	Beirut, Lebanon	FX	....	Italian EMBASSY
18,052.9	425/50N	CME405	Havana, Cuba	FX	....	Congo EMBASSY
18,052.9	425/50R	VNA31	Hanoi, Vietnam	FX	....
18,053.1	425/50Re	TCY	Ankara, Turkey	FX	....	GLOBSI
18,055.0	CW	↑....	unknown	FX	....	Russian Navy
18,055.0	500/100N	....	unknown	FX	....	FOXES
18,055.1	425/...e	....	unknown	FX	....	Idling
18,055.2	500/50Nc	CME405	Havana, Cuba	FX	1.0	Congo EMBASSY
18,056.0	250/100N	....	unknown--says KRAKOWA	FX	....	double-spaced Polish
18,056.5	425/50N	↑GPU38	London (Oxford), England	FX	75.0	AP
18,057.0	425/...e	....	unknown	FX	....	Idling
18,058.0	F7B	CLN600	Havana (Bauta), Cuba	FX	80.0	Tfc/Tashkent
18,059.0	USB	AIE	Andersen AFB, Guam	FX	1.0	USAF
18,059.0	USB	AGB4	Wake Island	FX	1.0	USAF
18,060.0	FAX	AXI36	Darwin, NT, Australia	FX	5.0	Meteo (2100-0800)
18,060.0	850/...e	NPO4	NAVCOMMSTA San Miguel, Philippines	FX	3.0	USN
18,060.0	425/50R	RCC70	Moscow, USSR	FX	20.0	
18,060.0	.....	....	Salyut Satellites	EH	....	USSR
18,060.0	170/50N	....	CLARIS in Polish to Ottawa followed by to Berne/Geneva/Havana			
18,060.1	170/50N	....	signs 30334 FIC intro Berno/Genewa/Londyn/Parys			
18,067.1	CW	....	unknown	FX	....	EMBASSY
18,062.5	350/50R	GXQ	unknown	FX	....	FOXES/TEST
18,063.0	425/50R	BAB90	Beijing, PRC	FX	25.0	Tfc/Rome
18,067.3	850/75Re	NBA	NAVCOMMSTA Balboa, Panama	FX	5.0	USN

18,068.0 - 18,168.0 kHz — FIXED SERVICE & AMATEUR RADIO (Worldwide)

18,070.1	170/ARQ	....	Riyadh, Saudi Arabia	FX	....	Commercial Tfc
18,070.1	675/100e	....	unknown	FX	....
18,072.0	CW	....	unknown	FX	....
18,072.0	475/...e	....	unknown	FX	....
18,073.0	USB	↑5RY81	Antananarivo, Madagascar	FX	10.0	Telcom
18,075.0	850/75R	AOK	unknown	....	
18,078.0	850/50R	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentine Navy
18,078.0	50/50R	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	Argentine Navy
18,080.0	AM	....	BBC, London, England	BC	....	External Service
18,080.0	425/50R	JAT78	Osaka, Japan	FX	20.0	Tfc
18,080.0	850/....	....	numerous, worldwide	FX	....	USN
18,081.0	425/75R	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentine Navy
18,082.5	FAX	VNA79	Hanoi, Vietnam	FX	....	Meteo/Nx
18,084.0	425/50R	STL96	Khartoum, Sudan	FX	20.0	Tfc/Shanghai
18,085.9	170/...e	....	unknown	FX	....
18,087.0	CW	8UF75	New Delhi, India	FX	5.0	INTERPOL
18,087.0	170/50N	JPA24	Tokyo, Japan	FX	5.0	INTERPOL
			Far East distribution point to Melbourne, Australia; New Delhi, India; Jakarta, Indonesia; Seoul, S. Korea; Hong Kong; Kuala Lumpur, Malaysia; Manila, Philippines; Bangkok, Thailand; etc. law enforcement agencies]			
18,087.5	USB	....	several, mostly west coast of USA	FX	....	USN
18,090.0	850/50N	JAT88	Osaka, Japan	FX	5.0	Tfc/Jakarta
18,090.0	F7B	RWB24	Vladivostok, USSR	FX	50.0	

kHz	Mode	Call	Location	Service	kW	Remarks
18,090.0	425/50R	"KAC"	unknown, probably in Cuba	FX	....
18,091.0	CW	SPP351	unknown	FX	....
18,092.0	850/50R	PPN9	Brasilia, Brazil	FX	....	Meteo
18,092.0	850/75N	RETJ	Madrid Radionaval, Spain	FX	....	Spanish Navy
18,092.5	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish
18,093.0	FAX	LR084	Buenos Aires (G. Pacheco), Argentina	FX	5.0	Meteo
18,093.0	850/50R	LR084	" " " "	FX	5.0	[EPG] Meteo
18,095.0	850/...e	NPO	NAVCOMMSTA Luzon, Philippines	FX	15.0	USN
18,098.0	425/75Rc	....	unknown, probably in USSR	FX	....
18,099.0	425/50R	BCF72	Shanghai, PRC	FX	80.0	
18,100.0	850/75	AOK	unknown	....	....
18,100.6	325/50N	GMK38	London (Ongar), England	FX	20.0	REUTERS
				[Beamed to West Africa]		
18,101.6	325/50R	GMK38	London (Ongar), England	FX	20.0	REUTERS
18,104.8	425/50R	XDD260	Mexico City, DF, Mexico	FX	20.0	INFORMEX
						1315-2200
18,105.0	USB	....	numerous, throughout RSA	FX	1.0	Governmental
18,106.6	350/50R	SUU9	Cairo, Egypt	FX	10.0	Meteo
18,109.2	170/50R	....	unknown	FX	....	clg UHNY
18,110.0	USB	....	Flores, Azores	FX	....	French AF
18,110.0	850/50N	ATF68	Calcutta, India	FX	10.0	
18,110.0	425/...e	....	unknown	FX	....
18,111.0	350/75R	GPH	COMMEN Hong Kong, Hong Kong	FX	10.0	British Navy
18,113.0	piccolo	....	unknown	FX	....
18,113.7	170/ARQ	....	unknown	FX	....
18,115.2	CW	"U"	unknown	RC	....	Beacon
18,119.0	CW	"4AZ"	unknown	FX	....	Coded Tfc
18,120.0	LSB	....	Paris, France	FX	....	Sengalese EMBASSY
18,120.0	LSB	MKG	London (Stanbridge), England	FX	3.5	DCN
18,120.0	LSB	....	Dakar, Senegal	FX	....	MFA
18,120.0	F7B	RAD22	Tashkent, Uzbek SSR	FX	80.0	
18,121.0	170/50*	MKG	London (Stanbridge), England	FX	3.5	DCN
18,124.0	850/...e	AOK	NS Rota, Spain	FX	1.0	USAF/USN
18,125.0	USB	....	Pyongyang, PDR Korea (North)	FX	....	vm
18,125.0	425/50R	RND70	Moscow, USSR	FX	....	TASS Nx EE 1645-1900
				[Beamed to West Africa]		
18,130.0	FAX	JMJ5	Tokyo (Usui), Japan	FX	5.0	Meteo
18,134.2	170/...e	....	unknown	FX	....	Idling
18,135.0	850/...e	FUG	La Regine Naval, France	FX	2.0	French Navy
18,135.0	425/50R	SOT213	Warsaw, Poland	FX	20.0	
18,135.1	900/...e	....	unknown	FX	....	Idling
18,136.0	piccolo	....	unknown	FX	....
18,137.5	425/75N	....	Delano, CA	FX	40.0	USIA
18,137.5	B8E	....	Delano, CA	FX	50.0	UN Feeder
18,137.5	425/75N	....	Dixon, CA	FX	40.0	USIA
18,139.0	CW	7RZ50	Abu Dhabi, UAE	FX	0.4	Algerian EMBASSY
18,139.7	425/50N	....	unknown	FX	....	Cuban EMBASSY
18,145.0	CW	7RQ30	Beijing, PRC	FX	....	Algerian EMBASSY
18,145.0	CW	7RY40	Conakry, Guinea	FX	....	" "
18,145.0	CW	7RQ60	unknown	FX	....	" "
18,145.0	CW	7RQ80	Teheran, Iran	FX	....	" "
18,145.0	CW	7RW60	Baghdad, Iraq	FX	....	" "
18,145.0	CW	7RQ90	Ankara, Turkey	FX	....	" "
18,145.3	CW	"EQ5T"	unknown	FX	....
18,145.0	850/50N	WFD58	New York, NY	FX	50.0	DPA Nx SS 1200-1345
18,145.0	DATA	WFD58	" "	FX	....
				[Beamed to South America]		
18,147.0	850/75N	†EBA	Madrid Radionaval, Spain	FX	....	[RETJ] Spanish Navy
18,148.0	850/75N	KWS78	Athens, Greece	FX	....	USA EMBASSY
18,150.0	*850/50R	TUR19	Abidjan, Ivory Coast	FX	0.8	Rumanian EMBASSY
18,150.0	LSB	RTM29	Khabarovsk, USSR	FX	15.0	R. Moscow Feeder
18,150.0	*850/50N	CVM8	Montevideo (Pajas Blancas), Uruguay	FX	14.0	Tfc
18,152.0	CW	....	unknown	FX	....	Coded Tfc
18,152.2	850/75R	†KWS78	Athens, Greece	FX	1.0	USA EMBASSY
18,155.0	425/50R	BAM25	Beijing, PRC	FX	30.0	Tfc/Berne
18,157.0	425/75N	....	Dixon, CA	FX	40.0	USIA
18,158.0	425/50R	CLN602	Havana (Bauta), Cuba	FX	20.0	Tfc/Libya
18,159.0	425/50R	IRQ31	Rome, Italy	FX	5.0	SPA Nx AA 2100-2300
				[Beamed to Egypt & Middle East]		
18,160.0	CW	3MA35	Nanking, PRC	FX	2.0	Tfc/Calcutta

kHz	Mode	Call	Location	Service	kW	Remarks
18,160.0	850/...e	SDE5	Stockholm (Varberg), Sweden	FX	20.0	Tfc
18,160.0	425/50R	RTU47	Moscow, USSR	FX	15.0	TASS Nx EE 0600-1400 [Beamed to the Middle East]
18,160.0	850/75Rc	RTB25	Novosibirsk, USSR	FX	50.0	
18,160.0	425/50R	XVN60	Hanoi, Vietnam	FX	15.0	Tfc/Prague
18,163.5	850/75R	AOK	NS Rota, Spain	FX	....	USAF/USN
18,167.2	CW	CMU967	Santiago Naval, Cuba	FX	....	Russian Navy
18,167.5	425/50N	STK	Khartoum Aeradio, Sudan	AX	....	[SMA] Tfc/Luqa
18,168.0 - 18,780.0 kHz — FIXED SERVICE (Worldwide)						
18,170.0	425/50R	9VF212	Singapore	FX	10.0	ANSA Nx EE 0600-0745 [Beamed to Australasia]
18,170.0	LSB	RIF33	Moscow, USSR	FX	50.0	Telcom
18,171.0	CW	†"KTS"	unknown	FX	....
18,172.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
18,173.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
18,173.7	USB	....	Doha, Qatar	FX	1.0	Tfc/Cairo
18,175.0	CW	CCV	Valparaiso Naval, Chile	FX	....	Chilean Navy
			(NOAA reports wx broadcasts at 0110, 1330 & 1430)			
18,175.0c	B8E	TNH81	Brazzaville, Congo	FX	20.0	Telcom/Paris
18,178.6	850/75Nc	....	unknown	FX	....	Idling
18,178.8	550/...e	....	unknown	FX	....
18,180.0	850/50N	VLS	Sydney Aeradio, NSW, Australia	AX	20.0	Tfc/Jakarta
18,181.0	850/50Ne	GYU	Gibraltar Naval	FX	....	British Navy
18,184.0	CW	CLP1	Havana, Cuba	FX	....	MINREX
18,184.0	750/...e	....	unknown	FX	....
18,186.5	850/75Ne	ZLO36	Irirangi Naval, New Zealand	FX	10.0	RNZ Navy
18,187.0	CW	SDQ7	Stockholm (Varberg), Sweden	FX	35.0	Reported
			Maritime Press broadcast at 0815-0845			
18,188.6	850/50R	ZVK7	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Montevideo
18,190.0	425/50R	BAC58	Beijing, PRC	FX	5.0	XNA
			[Beamed to India & Nepal]			
18,190.0	*170/50N	FSB59	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
18,190.0	170/50N	....	Helsinki, Finland	FX	1.0	"
18,190.0	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
18,190.0	CW	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
18,190.0	170/50N	CSJ27	Lisbon, Portugal	FX	1.0	"
18,190.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
18,190.0	CW	HEP81	Zurich (Waltikon), Switzerland	FX	2.0	"
18,190.0	LSB	†CXL31	Montevideo, Uruguay	FX	2.5	Telcom
18,193.5	425/50R	CLN603	Havana (Bauta), Cuba	FX	100.0	PL Nx EE 2200-2400 0700-0900 [Beamed to the Far East]
18,195.0	LSB	†RCI73	Moscow, USSR	FX	20.0	R. Moscow Feeder
18,196.1	USB	....	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC, plus transportables) [Alt: 15,548.6 & 18,721.1]
18,196.1	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam, plus transportables) [Alt: 15,473.6 & 18,721.1]
18,197.7	R7B	HBO28	Geneva, Switzerland	FX	20.0	Tfc/Pretoria
18,200.0	B8E	†GAW38	London (Rugby), England	FX	30.0	Telcom/Tfc
18,200.4	425/50R	....	unknown	...	....
18,201.0	CW	CLP33	Addis Ababa, Ethiopia	FX	....	Cuban EMBASSY
18,201.0	CW	....	unknown	FX	....	Tfc/EE
18,205.0	375/50R	†9KT345	Huban, Kuwait	FX	10.0	KUNA
18,206.3	425/...e	....	unknown	FX	....	Idling
18,210.0	425/50N	LZP3	Sofia, Bulgaria	FX	10.0	BTA Nx EE 1300-1345 (Not on Sundays) [Beamed to Asia]
18,210.0	425/50N	LZP3	Sofia, Bulgaria	FX	10.0	Tfc/Beijing
18,210.1	425/50R	"MAL"	Malabo, Equatorial Guinea	FX	....	Spanish EMBASSY
18,212.0	425/50R	9XK80	Kigali, Rwanda	FX	0.8	DW Talkback
18,215.0	F7B	RNG35	Kuibyshev, USSR	FX	25.0	
18,215.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
18,217.5	170/ARQ	....	unknown	FX	....
18,220.0	FAX	JMH5	Tokyo, Japan	FX	5.0	Meteo
18,220.0	850/50N	9VF213	Singapore Aeradio	AX	5.0	Tfc/Australia

kHz	Mode	Call	Location	Service	kW	Remarks
18,220.6	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
18,220.9	425/50R	CNM76/X9	Rabat (Tangier), Morocco	FX	20.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700 [Beamed to West & Central Africa]
18,220.9	...	CNM76/X9	unknown	...	....
18,221.9	375/50N	IRQ22	Rome (Torrenova), Italy	FX	10.0	
18,222.2	375/...e	...	unknown	FX	....
18,224.0	170/75N	↑"RUES"	unknown	FX	....	USAF
18,224.9	425/50R	CNM77/1X	Rabat (Tangier), Morocco	FX	20.0	MAP Nx EE 1200-1400
18,224.9			[Beamed to Eastern Europe, Middle East & Far East]			
18,226.0	FAX	ATP38	New Delhi, India	FX	10.0	Meteo (0600-01400)
18,227.0	.../75	CUW	Lajes VFT CCITT Rec. R37 according to JK			
18,227.5	B9W	↑WNG28	San Francisco, CA	FX	40.0	Tfc/FE
18,230.0	425/50N	GFL25	Bracknell, England	AX	1.5	Meteo (0600-1800)
18,230.0	850/50R	LRO87	Buenos Aires, Argentina	FX	5.0	SAPORITI Nx SS
18,230.0			1330-2130 [Beamed north from Buenos Aires]			
18,235.0	B8E	4Q081	Colombo (Kotugoda), Sri Lanka	FX	30.0	Telcom/Tfc
18,235.2	525/50N	....	unknown	FX	....	Bulgarian EMBASSY
18,240.0	425/50R	RCC71	Moscow, USSR	FX	20.0	Meteo
18,240.0	F7B	....	Hanoi, Vietnam	FX	....	VNA Nx
			[Directed to "BCZ", Moscow, USSR--Irregular]			
18,241.9	FAX	ZR04	Pretoria, RSA	FX	3.0	Meteo (0545-1745)
18,241.9	425/75N	ZR04	" "	FX	3.0	Meteo
18,244.0	425/50R	BZL38	Wulumuqi, PRC	FX	10.0	XNA
			[Beamed to Northeast Africa]			
18,245.5	425/75R	...	unknown, probably in USSR	FX	...	APN Nx FF
18,247.0	850/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	10.0	Brazilian Navy
18,247.0	*170/75R	VCS838	Ottawa, Ont., Canada	FX	5.0	Yugoslav EMBASSY
18,247.2	170/75R	....	unknown mostly idling then a few SS words strong signal			
18,249.4	USB	FTS25	Paris (St. Assise), France	FX	20.0	Telcom
18,250.0	ssb	ASA	Karachi wkg Moscow			
18,250.0	CW	↑KNY27	Washington, DC	FX	1.0	Swiss EMBASSY
18,251.5	500/50R	SUU20	Cairo, Egypt	FX	2.5	Meteo
18,253.0	170/...e	....	unknown	FX	....
18,255.0	425/50R	CLN604	Havana (Bauta), Cuba	FX	20.0	
18,255.0	425/50N	ATB68	New Delhi, India	FX	40.0	ISI Nx EE 0830-0930 (Not on Sundays) 1430-1600
18,256.1	850/50N	YWQ18	Marquetia Aeradio, Venezuela	AX	5.0	METAR/Meteo
18,256.2	425/50R	VNA32	Hanoi, Vietnam	FX	....	VNA Nx FF 0515-0700 VNA Nx EE 0700-0900 [Beamed to Eastern Europe]
18,256.4	850/50N	PPN9	Brasilia Aeradio, Brazil	AX	....	Meteo
18,260.5	375/50N	9KT346	Huban, Kuwait	FX	20.0	KUNA Nx EE 1000-1400 1600-1800 [Beamed to Central Europe]
18,261.0	FAX	GFE24	Bracknell, England	FX	5.0	Meteo
18,264.5	375/50N	9KT346	Huban, Kuwait	FX	20.0	KUNA Nx AA 0700-1100 1400-1900 [Beamed to Central Europe]
18,265.0	B8E	TNH82	Brazzaville, Congo	FX	20.0	Telcom/Paris
18,265.0	425/50R	↑CNM78	Rabat (Tanger), Morocco	FX	10.0	MAP
18,267.2	85/75N	....	Kavalla, Greece	FX	....	VOA
18,268.0	B7W	BXM58	unknown	FX	....	PRC EMBASSY
18,270.0	425/50R	BBB72	Shanghai, PRC	FX	15.0	Tfc/New Delhi
18,270.0	170/75R	HBD56	Warsaw, Poland	FX	1.0	Swiss EMBASSY
18,270.0	F7B	RGG48	Kuibyshev, USSR	FX	25.0	
18,273.0	425/50N	↑WFL28	New York, NY	FX	50.0	ANSA
18,274.9	170/...e	....	unknown	FX	....
18,275.0	425/50N	ISX82	Rome, Italy	FX	10.0	IINA
18,275.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
18,277.0	850/50N	9VF214	Singapore	FX	5.0	ANSA
18,277.0	USB	AGB4	Wake Island	FX	1.0	USAF
18,278.0	350/50N	9KT351	Huban, Kuwait	FX	20.0	KUNA Nx EE
			[Beamed to North Africa & Europe]			
18,280.0	F7B	RUD50	Vladivostok, USSR	FX	20.0	
18,280.0	425/50R	XVA85	Hanoi, Vietnam	FX	....
18,282.0	350/50N	9KT351	Huban, Kuwait	FX	20.0	KUNA NX AA
18,282.5	.....	↑WMI78	San Francisco, CA	FX	20.0	
18,285.0	USB	HBD41	Pretoria, RSA	FX	0.5	Swiss EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
18,285.2	USB	↑RCV28	Moscow, USSR	FX	50.0	R. Moscow Feeder
18,290.0	B9W	....	numerous, western hemisphere	FX	....	USAF (In-cludes AFG9, Scott AFB, IL; AFI, McClellan AFB, CA; AGA, Hickam AFB, HI; AHD, Ramey AFB, PR; etc.)
18,291.0	425/50R	CLN605	Havana (Bauta), Cuba	FX	20.0	PL [Beamed to South America]
18,291.0	*425/50Rc	ULV	Moscow, USSR	FX	25.0	
18,291.8	625/50N	....	unknown	...	....
18,292.8	425/50N	9KT352	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300 1600-1800 [Beamed to Central Africa]
18,293.0	...	....	somewhere in Kuwait	...	....
18,293.5	425/50R	....	unknown	FX	....	Tfc/EE
18,295.0	B8E	TZA218	Bamako, Mali	FX	20.0	Telcom
18,295.0	850/50N	SDN10	Stockholm (Varberg), Sweden	FX	7.0	Tfc
18,295.0	475/100N	....	unknown	...	....
18,296.0	USB	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
18,296.0	USB	CME408	Havana, Cuba	FX	1.0	Libyan EMBASSY
18,297.0	425/50N	9KT352	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100 1400-1700 [Beamed to Central Africa]
18,297.0	...	....	somewhere in Kuwait	...	....
18,297.5	425/75R	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
18,297.5	USB	OMZ30	Prague, Czechoslovakia	FX	4.0	" "
18,297.5	425/75R	OMZ30	" "	FX	4.0	" "
18,300.0	CW	↑OMZ	Prague, Czechoslovakia	FX	1.0	MFA
18,300.0	850/75Ne	ZKLF	Musick Point, New Zealand	FX	20.0	Tfc/Sydney
18,303.0	425/50R	OLD	Prague, Czechoslovakia	FX	30.0	Tfc/Beijing
18,306.5	, CW	↑KNY28	Washington, DC	FX	1.0	Algerian EMBASSY
18,307.0	375/50N	9KT349	Huban, Kuwait	FX	30.0	KUNA Nx AA 1000-1300 1600-1800 [Non-directional]
18,307.0		9KT349	unknown	...	....
18,310.0	850/...e	↑NGR	NAVCOMMSTA Nea Makri, Greece	FX	5.0	USN
18,310.0	LSB	RDT57	Krasnoyarsk, USSR	FX	20.0	R. Moscow Feeder
18,310.0	425/100R	RDT57	" "	FX	20.0	APN Nx EE/RR
18,310.0	425/75R	RDT57	" "	FX	20.0	APN Nx RR
18,311.0	375/50N	9KT349	Huban, Kuwait	FX	30.0	KUNA Nx AA 0700-1100 1400-1700 [Non-directional]
18,311.0		9KT349	unknown	...	....
18,312.0	LSB	RYR	Moscow, USSR	FX	15.0	R. Moscow Feeder
18,315.0	F7B	BCU24	Shanghai, PRC	FX	15.0	Tfc/Europe
18,316.6	425/50N	....	Jakarta, Indonesia	FX	....	MFA
18,316.8	CW	....	unknown	...	....
18,317.0	425/50R	CML54	Havana (San Pedro Bauta), Cuba	FX	3.0	Tfc/New York
18,320.0	425/75R	CME365	Havana, Cuba	FX	1.0	PRC EMBASSY
18,320.0	425/75N	↑"2D6"	Teheran, Iran	FX	....	Czech EMBASSY
18,320.0	CW	3VB24	Tunis, Tunisia	FX	1.0	MFA
18,320.0	*425/75R	70B469	Aden, PDR Yemen (South)	FX	1.0	PRC EMBASSY
18,320.0	USB	....	unknown	...	....	Telcom
18,320.7	425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
18,323.0	CW	OVG	Frederikshaven Naval, Denmark	FX	....	Danish Marine
18,325.0	F7B	BBF	Shanghai, PRC	FX	15.0	Tfc/Vietnam
18,325.1	CW	....	unknown	FX	....	Text/SS
18,334.0	350/50R	GPE34B	London (Oxford), England	FX	75.0	REUTERS Nx EE 1000-1100; AA 1100-1700 & 1900 to close [Beamed to the Middle East]
18,335.6	250/50R	GPE34B	London (Oxford), England	FX	75.0	REUTERS Nx EE 1100-2000 [Beamed to the Middle East]
18,337.5	CW	....	unknown	FX	....	Coded Tfc
18,342.0	425/75Rc	....	unknown, probably in the USSR	FX	....
18,342.8	USB	FTS34	Paris (St. Assise), France	FX	20.0	Telcom
18,346.4	LSB	5TP295	Nouakchott, Mauritania	FX	0.1	GFR EMBASSY
18,348.0	850/75N	↑ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
18,348.0	CW	"K"	unknown, probably Khabarousk, USSR	RC	....	Beacon/Soviet Naval Comm.
18,351.0	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
18,352.5	F7B	RMA28	Kiev, Ukrainian SSR	FX	25.0	Tfc
18,355.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
18,356.0	850/50N	9MY58	Kuala Lumpur, Malaysia	FX	....	Meteo
18,357.0	LSB	....	unknown	FX	....	Telcom/FF
18,360.0	USB	VKS62	Sydney (Doonside), NSW, Australia	FX	30.0	Tfc/Pakistan
18,360.0	425/75N	CME329	Havana, Cuba	FX	1.0	Czech EMBASSY
18,360.0	B8E	ZKN9	Alofe, Nuie	FX	1.0	Telcom/Wellington
18,362.0	170/50N	CAK	Santiago (Los Cerrillos AB), Chile	FX	3.0	Chilean AF (Tfc/Lima)
18,362.0	425/75N	†"7L1"	unknown	FX	....	Czech EMBASSY
18,365.0	425/50N	....	Sofia, Bulgaria	FX	....	MFA
18,365.0	*850/...e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
18,368.1	CW	CQK55	Sao Tome, Sao Tome e Principe	FX	5.0	Tfc/Lisbon
18,371.9	475/75Rc	....	unknown, probably in the USSR	FX	....
18,373.7	425/50R	BCT28	Shanghai, PRC	FX	15.0	Tfc/EUR
18,376.0	325/75Rc	....	unknown, probably in the USSR	FX	....
18,380.0	850/50N	CSY67	Santa Maria Aeradio, Azores	AX	2.0	Tfc/Sal
18,380.0	170/50N	....	Helsinki, Finland	FX	1.0	INTERPOL
18,380.0	170/50N	FSB60	Paris (St. Martin Abbat), France	FX	1.5	"
18,380.0	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
18,380.0	*170/50N	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
18,380.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
18,380.0	*170/50N	HEP83	Zurich (Waltikon), Switzerland	FX	2.0	"
18,381.0	750/50R	JMI4	Tokyo, Japan	FX	5.0	[JMI] Meteo
18,382.0	170/50N	†ETR39	Addis Ababa, Ethiopia	FX	10.0	Tfc/Lagos
18,384.9	325/...e	....	unknown	FX	....	Idling
18,385.0	425/50R	RRQ20	Alma Ata, USSR	FX	50.0	TASS Nx EE 0500-1300 [Beamed to Southeast Asia]
18,385.0	CW	....	unknown	FX	....	Coded Tfc
18,387.5	425/50R	ETR38	Addis Ababa, Ethiopia	FX	10.0	Tfc/Lagos
18,390.0	425/50R	SOT239	Warsaw, Poland	FX	20.0	
18,390.0	F7B	RNG36	Kuibychev, USSR	FX	25.0	
18,392.5	425/75N	†....	Luanda, Angola	FX	....	Czech EMBASSY
18,395.0	USB	†TS39	Paris (St. Assise), France	FX	20.0	Telcom/Bangui
18,397.7	425/50R	HGX63	unknown	FX	....	Hungarian EMBASSY
18,398.5	F1	LOK	Orcadas Naval, Argentina	FX	....	Argentinian Navy
18,400.0	425/50R	BBE43	Shanghai, PRC	FX	40.0	Tfc/Havana
18,400.0	425/50R	HGX45	Islamabad, Pakistan	FX	....	Hungarian EMBASSY
18,400.1	425/...e	....	unknown	FX	....	Coded Tfc
18,400.2	425/50R	†HGX53	Accra, Ghana	FX	....	Hungarian EMBASSY
18,400.5	USB	LJA21	Tel Aviv, Israel	FX	0.4	Norwegian EMBASSY
18,401.0	*425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
18,401.7	170/ARQ	....	Jeddah, Saudi Arabia	FX	....	Italian EMBASSY
18,402.0	FAX/F7B	RUU74	Leningrad, USSR	FX	20.0	Meteo/Nx
18,403.0	425/50N	....	Jakarta, Indonesia	FX	....	MFA
			(Not on Sundays) (Nx EE & Indonesian 0800-1230)			
18,405.0	425/50R	RCT57	Nikolayev, Ukrainian SSR	FX	50.0	TASS Nx FF 0600-1545 1600-1900 [Beamed to West Africa]
18,407.0	CW	†ZBP	Pitcairn Island	FX	0.7	
18,409.0	850/50N	....	unknown	FX	....	Coded Tfc
18,409.2	650/...e	....	unknown	FX	....
18,409.5	FSK	....	unknown	FX	....	Tfc/SS
18,410.0	425/50R	CLP1	Havana, Cuba	FX	....	MINREX
18,410.0	850/50Rc	RAD24	Tashkent, Uzbek SSR	FX	80.0	
18,412.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
18,412.0	170/50R	MKG	" "	FX	10.0	DCN
18,414.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
18,414.0	B8E	....	Bethany, OH	FX	50.0	VOA Feeder
18,415.0	CW	†5YC	Nairobi, Kenya	FX	....
18,415.0	850/50R	....	unknown	FX	....	Nx/SS
18,415.1	CW	"X3Q"	unknown	FX	....	VVV DE X3Q
18,415.1	CW	"7FO"	unknown	FX	....	VVV 7FO 125/752
18,419.1	170/...e	....	unknown	...	....
18,420.0	425/50R	....	unknown	...	....
18,420.8	650/50N	....	unknown signs msgs MEP MOL NAV	FX	....
18,421.0	170/50N	....	Buenos Aires, Argentina	FX	....	TELAM (Feed to TANJUG)
18,421.0	170/ARQ	....	Addis Ababa, Ethiopia	FX	....	Italian EMBASSY
18,422.0	425/50N	....	unknown	FX	....	Coded Tfc
18,423.8	CW	....	unknown, probably in the Far East	FX	....	Hi-speed Tfc
18,425.0	425/50R	SOT242	Warsaw, Poland	FX	20.0	

kHz	Mode	Call	Location	Service	kW	Remarks
18,425.1	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
18,426.5	625/...e	....	unknown	FX	....
18,428.6	850/...e	....	unknown	FX	....
18,428.7	CW	"PSE9"	unknown	FX	....	hand keying
18,430.0	F7B	RPC22	Kiev, Ukrainian SSR	FX	25.0	Tfc
18,430.0	CW	↑KNY21	Washington, DC	FX	1.0	Yugoslav EMBASSY
18,430.0	CW	↑KNY23	Washington, DC	FX	1.0	Czech EMBASSY
18,430.3	500/50R	....	unknown	FX	....	RYRY
18,432.0	170/ARQ	....	Addis Ababa, Ethiopia	FX	....	Italian EMBASSY
18,432.0	425/75Ne	....	unknown	FX	....	Coded Tfc
18,432.5	850/50N	FZM83	Noumea, New Caledonia	FX	20.0	Tfc/Sydney
18,435.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	40.0	USN
18,435.0	CW	Y7A71	Berlin, GDR	FX	....	MFA
18,435.0	CW	NPM	NAVCOMMSTA Pearl Harbor, HI	FC	15.0	[HCMF] USN
18,435.4	425/50N	SOT243	Warsaw, Poland	FX	20.0	PAP
[Beamed to Cuba & Central America]						
18,436.0	B8E	↑TUP84	Abidjan, Ivory Coast	FX	4.0	Telcom/Tfc
18,440.0	B8E	GBB38	London (Rugby), England	FX	30.0	Telcom/Tfc
18,440.0	425/75R	RIF32	Moscow, USSR	FX	20.0	APN Nx EE 0800-0945
18,442.4	425/50R	BXM62	unknown	FX	....	PRC EMBASSY
18,443.0	425/50N	....	Kuala Lumpur, Malaysia	FX	....	MFA
(Also ASCII/110 Baud & USB)						
18,444.0	425/75R	....	Prague, Czechoslovakia	FX	....	MFA
18,445.0	LSB	VHC	Canberra, ACT, Australia	FX	....	RA Navy
18,445.0	425/50N	....	Manila, Philippines	FX	....	Malaysian EMBASSY
(Also ASCII/110 Baud & USB)						
18,445.0	850/50N	4Q086	Colombo, Sri Lanka	FX	30.0	Lanka Puwath Nx (Feed to TANJUG)
18,446.7	425/50N	....	Davao, Philippines	FX	....	Indonesian EMBASSY
18,450.0	LSB	NAW18	NAVCOMMSTA Guantanamo, Cuba	FX	....	USN
"NAVAL COMMUNICATIONS STATION CUBA TRANSMITTING FOR RECEIVER ALIGNME"						
18,450.0	170/50N	HB043	Geneva, Switzerland	FX	10.0	VOA Nx Feeder
18,450.0	LSB	VHC	Canberra, Australia	FX	....	Navy
18,455.0	425/100R	RWN71	Moscow, USSR	FX	20.0	APN Nx EE 0745
18,459.9	CW	KWS78	Athens, Greece	FX	1.0	USA EMBASSY
18,460.0	850/50N	JAV88	Tokyo, Japan	FX	5.0	JPS Nx EE 0850-0950 [Beamed to Europe]
18,460.0	USB	RRG29	Moscow, USSR	FX	15.0	R. Moscow Feeder
18,460.0	425/66R	RRG29	" "	FX	15.0	TASS Nx EE 0600-1500 [Beamed to West Africa]
18,460.0	...	RRG29	unknown	...	....
18,462.0	170/ARQ	....	Khartoum, Sudan	FX	....	Dutch EMBASSY
18,462.5	850/50N	FZM84	Noumea, New Caledonia	FX	10.0	
18,465.0	850/50N	9VF217	Singapore	FX	5.0	
18,467.0	USB	ORI28	Brussels (Ruisselede), Belgium	FX	30.0	Telcom
18,470.0	425/50R	BAQ29	Beijing, PRC	FX	15.0	Tfc/London
18,472.0	350/75Rc	....	unknown, probably in USSR	FX	....
18,475.0	850/50N	9VF218	Singapore	FX	8.0	
18,475.0	USB	AGA	Hickam AFB, HI	FX	3.0	USAF
18,477.0	F1B	"ADY4"	unknown	FX	....	RYRY QRU
18,480.0	850/50R	HB058	Geneva, Switzerland	FX	10.0	Tfc/Tokyo
18,484.0	CW	HLD89	Seoul, South Korea	FX	....
18,486.0	USB	....	unknown	FX	....	Telcom/VV
18,486.4	USB	....	unknown	FX	....	Telcom/AA
18,487.1	CW	"VVO"	unknown	FX	....	CQ CQ DE VVO
18,488.2	425/50N	....	Jakarta--possibly Lagos	FX	....	Indonesian EMBASSY
18,489.1	CW	↑"VVO"	unknown	FX	....
18,490.0	425/50R	BAE54	Beijing, PRC	FX	15.0	Tfc/Belgrade
18,490.0	850/50N	9VF219	Singapore	FX	3.0	
18,490.0	F7B	RWB28	Vladivostok, USSR	FX	20.0	
18,493.0	CW	"6X2"	unknown	FX	....	Czech EMBASSY
18,496.0	850/50N	FZS84	St. Denis (Bel Air), Reunion	FX	2.0	Meteo
18,496.1	425/50R	CNM80/X11	Rabat (Tangier), Morocco	FX	15.0	MAP Nx AA 0900-1030 (Not on Fridays) [Beamed to the Middle East]
(Daily) [Beamed to the Middle East]						
18,496.1	F1B	CNM80/X11	unknown	...	....
18,497.8	425/50N	....	unknown	...	....	EE Nx 1130-1134
18,498.7	425/50N	....	unknown	...	....	EE Nx & Indonesian Nx
18,499.0	170/ARQ	PCW1	Haag, Netherlands	FX	....	EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
18,502.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
18,504.3	550/50R	"VVD"	unknown	FX	....	RYRY
18,505.0	425/75N	....	Delano, CA	FX	40.0	USIA
18,505.0	425/75N	....	Dixon, CA	FX	40.0	USIA
18,506.0	850/50Ne	†GYU	Gibraltar Naval, Gibraltar	FX	2.5	British Navy
18,508.4	*FAX	WFK38	New York, NY	FX	50.0	UPI Nx
18,509.3	CW	....	unknown	...	....
18,510.0	F7B	RKM29	Irkutsk, USSR	FX	20.0	
18,512.0	B8E	ZPZ26	Asuncion, Paraguay	FX	10.0	Telcom/Tfc
18,513.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
18,515.0	USB	FTS51	Paris (St. Assise), France	FX	20.0	Telcom/Kabul
18,517.0	USB	FZM85	Noumea, New Caledonia	FX	20.0	Telcom/Papeete
18,517.2	170/ARQ	PCW5	Cairo, Egypt	FX	....	Dutch EMBASSY
18,518.0	CW	4XZ	Haifa Naval, Israel	FX	....	Israel Navy
18,520.0	425/50R	HBP48	Geneva, Switzerland	FX	10.0	Tfc
18,522.0	425/75Rc	RRG28	Moscow, USSR	FX	60.0	APN Nx RR
[Beamed to Europe & North America]						
18,522.0	850/...e	....	unknown	FX	....	Idling
18,523.0	425/75R	RBMVAE	British Army Gurkhas in Dahran, Nepal	wkg		Hongkong AM-UK SPE9/83
18,525.0	CW	KKN50	Washington, DC	FX	10.0	US State Dept.
18,530.0	170/ARQ	†ELE28	Harbel, Liberia	FX	15.0	Tfc/Akron
18,532.5	850/75Rc	....	Damascus, Syria	FX	....	[SMD] Tfc/Moscow
18,534.0	R7B	ZUD34	Olifantsfonten, RSA	FX	4.0	Telcom
18,535.0	425/50R	BAK88	Beijing, PRC	FX	50.0	XNA
[Directed to Cuba]						
18,535.0	170/50*	MKD	Akrotiri, Cyprus	FX	3.5	DCN
18,535.0	425/50N	Y312	Berlin (Nauen), GDR	FX	5.0	DP
18,535.0	850/50R	SOT253	Warsaw, Poland	FX	20.0	
18,536.0	USB	†GMO38	London (Ongar), England	FX	20.0	Telcom
18,539.8	F7B	RTV57	Moscow, USSR	FX	20.0	TASS Nx AA/FF 0600-0800 (Not on Sundays) 0815-1400
[Beamed to North America]						
18,540.0	850/50R	YAK1	Kabul, Afghanistan	FX	10.0	
18,540.0	850/50N	9VF220	Singapore	FX	5.0	
18,540.0	F7B	RIM54	Tashkent, Uzbek SSR	FX	20.0	Tfc
18,542.5	425/75N	WFK48	New York, NY	FX	50.0	USIA Nx SS 1600-1800 UN NX EE 2300-2400
[Beamed to Central & South America]						
18,545.0	*850/75N	†KWS78	Athens, Greece	FX	1.0	USA EMBASSY
18,547.0	425/50N	Y313	Berlin (Nauen), GDR	FX	20.0	[PB] DP/Tfc/FE
18,547.5	850/50N	9VF257	Singapore	FX	5.0	Meteo
18,548.0	425/50R	GIY38B	London (Ongar), England	FX	30.0	AP Nx EE 1000-1400
[Beamed to East Africa & the Middle East]						
18,550.0	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	....	USN
18,555.0	850/50N	Z2D62	Harare, Zimbabwe	FX	1.0	Tfc/Pretoria
18,555.0	R7B	JBUE68	Tokyo, Japan	FX	20.0	Tfc/EUR
18,560.0	CW	†RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
18,560.1	425/50R	....	Teheran, Iran	FX	....	IRNA Nx AA 1100-1230
[Beamed to the Middle East]						
18,562.0	850/50Re	MRX	Butterworth AB, Malaysia	FX	7.5	RAAF
18,562.0	Piccolo	....	unknown	FX	....	British EMBASSY
18,565.0	B8E	†9KK82	Kigali, Rwanda	FX	10.0	Telcom/Tfc
18,567.4	850/50N	VLS3	Sydney Aeradio, NSW, Australia	AX	....
18,568.0	CW	ZWBE	Belem Aeradio, Brazil	AX	1.0	Tfc/Rio
18,568.0	CW	ZWRJ	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Belem
18,568.1	CW	....	unknown	FX	....	Coded Tfc
18,570.0	850/50N	JAW48	Tokyo, Japan	FX	10.0	
18,570.0	F7B	RSW8	Polotsk, USSR	FX	60.0	
18,571.0	CW	"GLR"	unknown says HW QSV GLR HW QSV GLR			
18,571.9	170/75R	....	Baghdad, Iraq	FX	....	Polish EMBASSY
18,578.0	*850/...e	FUM	Papeete Naval, Tahiti	FX	10.0	French Navy
18,580.0	850/50N	9VF248	Singapore	FX	5.0	Meteo
18,580.0	F7B	RNM23	Duchanbe, USSR	FX	20.0	
18,582.7	425/50R	Y3I3	unknown	...	....
18,584.0	....	6MK67	unknown	...	....	EE 0300-0430 & 0730-0830
18,585.0	USB	....	Stockholm Radio, Sweden	FA	7.0	
18,587.0	USB	OZU25	Copenhagen, Denmark	FX	1.5	MFA (Reportedly on this frequency are: OZU30, Cairo, Egypt; OZU33, Tel Aviv, Israel; OZU34, Jeddah, Saudi Arabia; OZU35, Beijing

kHz	Mode	Call	Location	Service	kW	Remarks
PRC; OZU37, Ankara, Turkey; OZU38, Lagos, Nigeria & OZU39 Nairobi, Kenya) [Alt: 13,490.0 & 26,130.0]						
18,587.5	850/50R	JAW68	Tokyo, Japan	FX	25.0	Tfc/Africa
18,587.5	B8E	50U88	Lagos, Nigeria	FX	....	Telcom
18,593.1	B7W	....	unknown	FX	....
18,594.0	USB	....	numerous, worldwide	FX	....	USAF (Includes: AIE, Andersen AFB, Guam; AGA, Hickam AFB, HI; AIF80, Yo- kota AB, Japan; AKE, Eielson AFB, AK; AFS, Offutt AFB, NE; etc.) [Alt: 18,048.6--sometimes called the "ZULU ONE" Frequency]
18,600.0	425/50N	RWN72	Moscow, USSR	FX	20.0	PL Nx EE/FF/PP/SS
0700-1500 [Beamed to Africa & the Middle East]						
18,603.5	425/50R	CNM81	Rabat (Tangier), Morocco	FX	10.0	
18,605.0	F1B	HBE68	Berne, Switzerland	FX	7.0	
18,607.5	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
18,608.0	850/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	2.5	Tfc/Dakar
18,610.0	425/50R	SOT261	Warsaw, Poland	FX	20.0	
18,616.0	425/50N	FXP88	Papeete Aeradio, Tahiti	AX	5.0	
18,619.0	USB	†PCM88	Hilversum (Kootwijk), Netherlands	FX	30.0	Backup Feeder for Radio Netherland
18,620.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	USN Meteo
18,623.8	USB	FZY386	Miquelon, St. Pierre & Miquelon Is.	FX	6.0	Telcom
18,624.0	CW	....	several, unknown, possibly in USSR	FX	....	Code Tfc
18,630.0	B8E	†IRQ26	Rome (Torrenova), Italy	FX	10.0	Telcom
18,630.0	425/75R	REW54	Alma Ata, USSR	FX	80.0	Tfc/Hanoi
18,630.7	425/...e	....	unknown	FX	....
18,635.0	425/50R	RWN70	Moscow, USSR	FX	20.0	TASS Nx FF 0815-1400 1600-1900
(Not on Sundays) [Beamed to West Africa]						
18,635.0		RWN70	unknown	...	....	TASS Nx AA 0600-0800
18,637.0	B9W	BCA20	Shanghai, PRC	FX	15.0	Tfc/Rangoon
18,639.5	LSB	YAK	Kabul, Afghanistan	FX	10.0	Telcom/Moscow
18,640.0	F7B	RIZ52	Tashkent, Uzbek SSR	FX	20.0	
18,640.0	F1B	RRG29	unknown	FX	....	TASS Nx EE 0600-1515 WAF
18,640.5	350/50N	9KT356	Huban, Kuwait	FX	30.0	KUNA Nx EE 1000-1300 1600-1800
[Beamed to East Africa]						
18,640.5	...	9KT356	unknown	..	....
18,643.0	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
18,644.5	350/50N	9KT356	Huban, Kuwait	FX	30.0	KUNA Nx AA 0700-1100 1400-1700
[Beamed to East Africa]						
18,644.5	...	9KT356	unknown	...	....
18,647.0	425/50R	SOT264	Warsaw, Poland	FX	20.0	PAP
[Beamed to the Far East]						
18,647.5	850/75Rc	....	unknown	FX	....
18,648.3	350/50N	....	unknown	FX	....	RYRY
18,650.0	350/50R	SOT265	Warsaw, Poland	FX	20.0	PAP Nx EE 0600-0630 [Beamed to India] FF 1700-1730
[Beamed to the Middle East]						
18,650.0	B9W	RBI71	Moscow, USSR	FX	20.0	Tfc
18,650.0	425/50R	RBI71	" "	FX	20.0	TASS
[Beamed to Egypt, Australia & the Far East]						
18,650.0	USB	†AFA	Andrews AFB, MD	FX	....	USAF
18,653.0	LSB	RBI71	Moscow, USSR	FX	20.0	Telcom
18,653.0	LSB	†RBI71	" "	FX	20.0	R. Moscow Feeder
18,655.0	USB	†FTS66	Paris (St. Assise), France	FX	20.0	Telcom
18,658.0	850/50N	YAY1	Kabul, Afghanistan	FX	10.0	
18,659.0	CW	VTK	Tuticorin Naval R., India	...	....	Lorenz 5/84
18,660.0	425/50R	BAS25	Beijing, PRC	FX	10.0	Tfc/Karachi
18,660.5	850/...e	....	unknown	FX	....
18,662.5	170/75	....	Jakarta or Warsaw			
18,665.0	425/50N	ATG69	New Delhi, India	FX	12.0	Tfc/Belgrade
18,665.0	USB	....	unknown	FX	....	Net/SS
18,665.6	900/...e	....	unknown	FX	....
18,666.0	425/50N	†ISX86	Rome, Italy	FX	3.0	ANSA
18,666.0	USB	....	numerous, North & Central America	FX/MA	...	CIA/DEA/USCG
(Many code names preclude positive ID. "ATLAS" appears to be Net Control. Others heard include "CONDOR",						

kHz	Mode	Call	Location	Service	kW	Remarks
"FLINT", "JAGUAR", "PANTHER", "SHARK", "SWORDFISH", "SUNDANCE", etc.) [May be referred to as the "Hotel" channel or frequency—alt: 14,686.0 & 23,403.0]						
18,667.0	425/50N	JTF24	Ulan Bator, Mongolia	FX	....	EMBASSY
18,668.2	425/75N	OMZ24	Prague, Czechoslovakia	FX	....	Mongolian EMBASSY
18,669.3	350/50N	FTS67/H1	Paris (St. Assise), France	FX	10.0	AFP Nx FF 0700-1700 ("Afrigascar Service") [Beamed to Africa]
18,670.7	350/50N	FTS67/H3	Paris (St. Assise), France	FX	10.0	AFP Nx EE 0700-1700 ("Africa Beams Service") [Beamed to Africa]
18,674.9	425/50N	ISX87	Rome, Italy	FX	10.0	IINA Nx EE 0800-1500 [Beamed to the Far East]
18,675.0	USB	↑FPS67	Paris (St. Assise), France	FX	20.0	Telcom
18,675.0	650/50N	....	unknown, probably Kuwait	...	....	Nx EE
18,679.0	FAX	....	unknown	FX	....
18,680.0	425/50R	BAS25	Beijing, PRC	FX	10.0	Tfc/Karachi
18,683.0	425/50R	....	unknown	FX	....	Indonesian Nx 1000
18,685.0	425/50R	↑BXT11	unknown	FX	....	PRC EMBASSY
18,686.0	F1B	↑GPR38	London (Oxford), England	FX	75.0	REUTERS
18,686.6	425/50N	....	unknown, probably Indonesian	...	....
18,688.0	F7B	....	unknown	FX	....
18,688.2	CW	"Y3HN"	unknown	FX	....	c1g 5LK
18,690.0	425/50R	....	Jakarta, Indonesia	FX	....	EMBASSY 0733-off
18,692.5	F7B	BAX60	Beijing, PRC	FX	40.0	Tfc/Paris
18,695.0	425/50R	ROG53	Novosibirsk, USSR	FX	20.0	
18,695.9	425/50R	CNM82/X9	Rabat (Tangier), Morocco	FX	....	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700 [Beamed to Europe & Southeast Asia]
18,696.0	CW	RIW	Khiva Naval, Uzbek SSSR	FX	....	Russian Navy
18,697.7	425/50N	DFS70-L3	Hamburg (Bonames), GFR	FX	20.0	J1J1 Nx EE 0900-1000 (Not on Sundays) DPA Nx EE 1000-1600 [Beamed to West Africa]
18,700.0	FAX	Y2V44	Berlin (Nauen), GDR	FX	20.0	ADN
18,700.0	CW	↑KKN50	Washington, DC	FX	....	US State Dept.
18,700.6	425/50N	DFS70-H1	Hamburg (Bonames), GFR	FX	20.0	J1J1 Nx EE 0900-1000 (Not on Sundays) [Beamed to West Africa and the Middle East]
18,701.5	425/50R	↑....	Jakarta, Indonesia	FX	....	EMBASSY (Not on Sundays) Nx EE & Indonesian 0830-1230
18,704.2	425/...e	....	unknown	FX	....
18,704.4	425/50N	....	Jakarta, Indonesia	FX	....	MFA
18,705.0	B8E	↑CXL32	Montevideo, Uruguay	FX	2.5	Telcom/Tfc
18,707.9	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
18,708.0	170/ARQ	PCW7	Damascus, Syria	FX	....	Dutch EMBASSY
18,710.0	170/ARQ	PCW16	Accra, Ghana	FX	....	Dutch EMBASSY
18,710.0	850/75Ne	ZLX41	Himatangi Naval, New Zealand	FX	40.0	RNZ Navy
18,710.0	170/ARQ	PCW9	Lagos, Nigeria	FX	....	Dutch EMBASSY
18,711.0	USB	Z2H26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
18,711.5	J3E	PCW1	The Hague, Netherlands	FX	1.2	MFA (Reported on this frequency are: PCW2, Jerusalem, Israel; PCW11, Bangkok, Thailand & PCW20, Warsaw, Poland)
18,713.0	170/ARQ	....	Yaounde, Cameroon	FX	....	Dutch EMBASSY
18,713.0	170/ARQ	....	Cairo, Egypt	FX	....	" "
18,713.0	USB	PCW22	Monrovia, Liberia	FX	1.0	" "
18,713.0	170/ARQ	PCW22	" "	FX	1.0	" "
18,713.0	425/75N	PCW20	Warsaw, Poland	FX	1.0	" "
18,713.0	425/50N	Z2H26	Harare, Zimbabwe	FX	1.0	" "
18,714.0	170/ARQ	....	Yaounde, Cameroon	FX	....	Dutch EMBASSY
18,718.5	170/FEC	SOT272	Warsaw, Poland	FX	20.0	PAP Nx Polish 1200-1300 (To ships at sea)
18,720.0	170/75R	CME334	Havana, Cuba	FX	1.0	Czech EMBASSY
18,720.2	CW	RMP	Rostov Naval, USSR	FX	....	Russian Navy
18,721.1	USB	...	Atlantic Domestic Emergency Net	FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC, plus transportables) [Alt: 18,196.1]
18,721.1	USB	....	Pacific Domestic Emergency Net	FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Barrigada, Guam, plus transportables) [Alt: 18,196.1]

kHz	Mode	Call	Location	Service	kW	Remarks
18,722.7	B8E	TLZ87	Bangui, Central African Republic	FX	20.0	Telcom
18,723.0	425/50N	....	Sofia, Bulgaria	FX	....	Bulgarian EMBASSY
18,730.0	850/....	....	several, worldwide	FX	....	French Navy
18,735.0	425/75R	....	unknown, probably in USSR	FX	....	APN
18,735.2	170/100N	....	unknown	FX	....	Polish EMBASSY
18,737.0	CW	....	unknown	FX	....	rpts DUED 4EN6
18,737.1	B9W	5TN244	Nouakchott, Mauritania	FX	....	Telcom/Tfc
18,740.0	425/75R	RTC2Ø	Novosibirsk, USSR	FX	50.0	
18,742.9	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
18,743.5	LSB	5OU93	Lagos (Ikorodu), Nigeria	FX	3.5	Telcom/Paris
18,743.5	USB	CXQ338	Montevideo, Uruguay	FX	5.0	Governmental
			[Tfc to Rio de Janeiro, Lima, Washington & Caracas]			
18,744.0	...	...	unknown	..	....	VNA Nx EE/FF/VV
						Irregular Schedule
18,744.4	USB	WGY919	unknown	FX	....	FEMA
18,744.4	USB	WGY912	Mt. Weather, MD	FX	....	FEMA
18,745.0	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
18,745.0	425/75N	PCW2Ø	Warsaw, Poland	FX	1.0	Dutch EMBASSY
18,746.5	CW	WGY912	Mt. Weather, MD	FX	....	FEMA
18,746.8	170/ARQ	....	unknown	..	....
18,747.4	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
18,750.0	425/75R	CME366	Havana, Cuba	FX	1.0	PRC EMBASSY
18,750.0	170/50*	MKG	London (Stanbridge), England	FX	15.0	DCN
18,750.0	F7B	RWT22	Khabarovsk, USSR	FX	35.0	
18,750.0	850/50R	XVN64	Hanoi, Vietnam	FX	15.0	Tfc/Prague
18,752.5	B9W	†9KT357	Huban, Kuwait	FX	30.0	Telcom/Tfc
18,754.0	425/....	....	unknown	FX	....	Idling
18,756.0	CW	....	unknown	FX	....	looks SS says /P RHP
18,760.0	B8E	†....	Lyndhurst, Vic., Australia	FX	....	R. Australia
						Feeder
18,760.0	CW	"P6Z"	Paris, France	FX	....	MFA
18,761.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
18,761.0	170/50R	CME392	Havana, Cuba	FX	1.0	Finnish EMBASSY
18,761.0	USB	OHU2Ø	Helsinki, Finland	FX	1.0	MFA
18,764.0	AM	....	unknown	FX	....	NUMBERS/SS/YL/5
18,765.0	850/75N	WBR7Ø	Miami Aeradio, FL	AX	15.0	[WBC] Meteo
18,771.0	425/50R	GYU	Gibraltar Naval	FX	....	British Navy
18,771.3	LSB	†FTS77	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
18,774.0	850/50R	BCG	Shanghai, PRC	FX	15.0	[CRS] Tfc/Moscow
18,776.0	170/50*	MKG	London (Stanbridge), England	FX	25.0	DCN

18,780.0 - 18,900.0 kHz — FIXED SERVICE & MARITIME MOBILE (Worldwide)

18,780.0	850/50N	9VF222	Singapore	FX	5.0	Tfc/Tokyo
18,783.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
18,785.0	425/50N	FTS78	Paris (Le Vernet), France	FX	10.0	DIPLO Nx
18,785.0	425/50N	FZM87	Noumea, New Caledonia	FX	30.0	DIPLO Nx
18,788.0	850/50R	....	Khartoum, Sudan	FX	....	SUNA Nx EE 0900-1000
						[Non-directional]
						Nx EE 1000-1100
						[Beamed to Europe]
						Nx EE 1600-1800
						[Non-directional]
18,790.0	F7B	RMA29	Kiev, Ukrainian SSR	FX	25.0	
18,790.0	850/....	....	several, worldwide	FX	....	USN
18,795.0	B8E	ORI48	Brussels (Ruisseledé), Belgium	FX	30.0	Telcom
18,795.0	CW	JOF38	Choshi Radio, Japan	FX	2.0	Tfc/JGX, Syowa
18,798.0	USB	"AN"	"ALFA WHISKEY", unknown	FX	....	USN/Net Control
18,800.0	CW	SRZ955	Warsaw, Poland	FX	1.0	MFA
18,800.0	F7B	RFL65	Khabarovsk, USSR	FX	30.0	
18,803.8	425/75R	SAM52	Tel Aviv, Israel	FX	....	Swedish EMBASSY
18,805.0	425/50R	†BXT2	unknown	FX	....	PRC EMBASSY
18,808.0	425/50R	....	Jakarta, Indonesia	FX	....	MFA
			(Not on Sundays) Nx EE & Indonesian 0800-1230			
18,808.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA (Reported
			on this frequency are: SAM45, Ankara, Tur ey; SAM46, Baghdad, Iraq; SAM47, Beirut, Lebanon; SAM48, Damascus, Syria; SAM49, Jeddah, Saudi Arabia; SAM5Ø, Cairo, Egypt; SAM51, Teheran, Iran; SAM54, Vientiane, Laos; SAM57, Dacca, Bangladesh; SAM61, New Delhi, India; SAM71, Dar es Salaam,			

kHz	Mode	Call	Location	Service	kW	Remarks
			Tanzania; SAM72, Kinshasa, Zaire; SAM73, Lagos, Nigeria; SAM75, Nairobi, Kenya; SAM79, Lusaka, Zambia; SAM80, Gaborone, Botswana; SAM82, Maputo, Mozambique & SAM89 [aka CME382], Havana, Cuba) [Alt: 17,427.0 & 20,010.0]			
18,808.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
18,808.0	425/50Rc	....	unknown, probably in the USSR	FX	....
18,808.0	CW	†KNY29	Washington, DC	FX	1.0	British EMBASSY
18,810.0	USB	GME38	London (Rugby), England	FX	30.0	Telcom
18,810.0	425/75R	SAM81	Bissau, Guinea-Bissau	FX	0.4	Swedish EMB
18,810.0	425/75N	SAM	Stockholm, Sweden	FX	1.0	MFA
			(Occasional Diplomatic Nx EE/Swedish 1000-1130)			
18,811.0	B9W	GMF38	London (Rugby), England	FX	30.0	Tfc/Port Stanley
18,812.0	USB	HSF212BKK	Bangkok, Thailand	FX	....	MFA
18,820.0	F7B	RNY5	Frunze, Kirgiz SSR	FX	100.0	
18,822.5	...	Y2V38B	unknown	...	....	ADN Nx EE/FF now 1400-1550
18,823.0	FAX	Y2V38	Berlin (Nauen), GDR	FX	20.0	ADN Nx
18,823.5	425/50N	Y2V38	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 1200-1350 [Beamed to Southeast Asia]
18,823.5		Y2V38	unknown	...	....	ADN Nx EE now 0800-0950 (N. Su/) & 0900-0950 (Su.)
18,823.5		Y2V38	unknown	...	....	ADN Nx EE now 1000-1050
18,823.5		Y2V38A	unknown	...	....	ADN Nx EE AF/ME 1400-1550
18,827.2	USB	FTS83	Paris (St. Assise), France	FX	20.0	Telcom
18,830.0	LSB	RTC21	Novosibirsk, USSR	FX	80.0	Feeder for ORBITA-1
18,833.4	LSB	FTS83	Paris (St. Assise), France	FX	20.0	Telcom/VM
18,835.0	B9W	†3MA92	Tienmu, Taiwan	FX	20.0	Tfc/San Francisco
18,835.0	425/50R	RWN74	Moscow, USSR	FX	15.0	TASS Nx EE 0600-1400 [Beamed to the Middle East]
18,835.0		RWN74	unknown	...	....
18,840.0	850/50N	JAX38	Tokyo, Japan	FX	10.0	
18,840.0	LSB	....	unknown	FX	....	Telcom/FF
18,841.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
18,841.5	F1B	†GIS38	London (Dorchester), England	FX	30.0	Nx
18,844.0	LSB	ETR84	Addis Ababa, Ethiopia	FX	1.0	Finnish EMBASSY [Alt: 20,176.0]
18,846.0	425/50R	BBC34	Shanghai, PRC	FX	15.0	
18,846.3	LSB	TLZ88	Bangui, Central African Republic	FX	35.0	Telcom/Paris
18,850.0	850/50N	JAX48	Tokyo, Japan	FX	5.0	
18,852.5	USB	ZEN89	Cape D'Aguilar, Hong Kong	FX	3.5	Telcom/Nepal
18,856.7	LSB	5UR88	Niamey, Niger	FX	20.0	Telcom
18,857.0	425/50R	BAW38	Beijing, PRC	FX	10.0	XNA Nx EE 0300-0430 [Beamed to Pakistan]
18,860.0	850/50N	ZAT	Tirana, Albania	FX	....	ATA harmonic)
			(Very frequently reported)			
18,863.7	170/ARQ	....	unknown	FX	....	Italian EMBASSY
18,870.0	425/50R	RRG26	Moscow, USSR	FX	20.0	TASS Nx FF 0600-1545 [Beamed to West Africa] 1600-1900 [Beamed to North America]
18,870.0		RRG57	unknown	...	....
18,870.0	F7B	RCV	Moscow, USSR	FX	15.0	
18,872.1	425/50R	BZR68	Wulumuqi, PRC	FX	25.0	XNA Nx EE 0630-0930 1100-1400 [Beamed to Europe]
18,872.5	425/50R	YOS28	Bucharest, Rumania	FX	10.0	Tfc/Beijing
18,876.0	CW	RIT	unknown	FX	....	Russian Navy
18,878.8	USB	FTS87	Paris (St. Assise), France	FX	20.0	Telcom/Niamey
18,880.0	USB	†VNA2	Sydney, NSW, Australia	FX	1.0	Monitoring Net
			(Also includes: VNA4, Brisbane; VNA5, Adelaide and VNA6, Perth) [Alt: 00,000.0]			
18,880.0	CW	†"WAS"	unknown, very probably in Cuba	FX	....	Coded Tfc (Frequently heard with preamble: "WAS FOR APV NR 45", "WAS FOR ALO NR36" or "WAS FOR DAM NR33". Signal is considerably stronger in Europe than in North America)
18,882.1	LSB	....	unknown	FX	....	Telcom/FF
18,885.0	425/...e	....	unknown	FX	....	Idling
18,886.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
18,888.8	CW	....	unknown	FX	....	Coded Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
signs off = E PCI HUXA						
18,890.0	425/50R	....	London, England	FX	....	[LAE] Ghana EMBASSY
18,891.0	425/50N	....	Washington, DC	FX	....	DAFA--WHO's THIS???
18,894.0	B8E	9XK92	Kigali, Rwanda	FX	....	Telcom
18,895.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	5.0	French Navy
18,895.0	350/50R	....	unknown, presumed Morocco	FX	....	MAP Nx AA
18,900.0 - 19,680.0 kHz — FIXED SERVICE (Worldwide)						
18,900.0	CW	SRZ955	Warsaw, Poland	FX	1.0	MFA
18,907.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
18,913.0	850/50N	6MK71	Seoul, South Korea	FX	5.0	
18,915.0	425/50R	FTS81	Paris (St. Assise), France	FX	20.0	Tfc/Hanoi
18,935.0	USB	FTS93	Paris (St. Assise), France	FX	20.0	Telcom
18,935.0	850/50Ne	GYU	Gibraltar Naval, Gibraltar	FX	10.0	British Navy
18,940.0	FAX	XVN47	Hanoi, Vietnam	FX	10.0	
18,944.0	850/50N	....	unknown	...	....
18,945.0	425/50N	IRQ29	Rome (Torrenova), Italy	FX	10.0	SNA Nx AA
[Beamed to the Middle East]						
18,948.0	425/...e	....	unknown	FX	....
18,950.0	425/50R	HBO88	Geneva, Switzerland	FX	10.0	
18,950.0	425/50R	....	Damascus, Syria	FX	....	SANA Nx EE/FF
0900-1000 (No newscast on Fridays) [Beamed to Europe]						
18,950.0	....	....	unknown	...	....	SANA Nx EE/FF
18,952.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
18,955.0	425/50R	RNQ24	Irkutsk, USSR	FX	20.0	
18,959.4	525/75R	....	unknown	FX	....	EMBASSY Tfc
18,961.0	LSB	....	Selebe Pikwe, Botswana	FX	15.0	Feeder
18,962.0	CW	CME306	Havana, Cuba	FX	1.0	Polish EMBASSY
18,963.0	USB	CME409	Havana, Cuba	FX	1.0	Libyan EMBASSY
18,963.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: Lampedusa, Italy & NCI4, Kargaburun, Turkey)
AOB50, Estartit, Spain; NCI, Sella Marina, Italy; NCI3, [Alt: 15,723.0 & 22,823.0]						
18,965.0	170/50R	SFL	Stockholm, Sweden	FX	0.4	Turkist EMBASSY
18,968.0	425/75N	....	Teheran, Iran	FX	....	Yugoslav EMBASSY
18,970.5	425/50R	....	Islamabad, Pakistan	FX	....	EMBASSY
18,972.0	CW	†KKN50	Washington, DC	FX	10.0	State Dept.
18,972.0	425/75R	....	Belgrade, Yugoslavia	FX	....	MFA
18,972.0	.../75	"MUC6"	unknown	FX	....
18,972.5	425/50R	YOS29	Bucharest (Lipau), Rumania	FX	5.0	Tfc/New Delhi
18,974.0	425/50N	....	Lisbon, Portugal	FX	....	Bulgarian EMBASSY
18,976.8	CW	"A4I"	unknown	FX	....
18,977.0	425/50	ASP32	Islamabad, Pakistan	FX	....	MFA
18,977.5	B9W	5TN30	Nouakchott, Mauritania	FX	20.0	Telcom/Tfc
18,977.8	CW	†"RVI"	unknown	FX	....
18,980.1	170/FEC	....	unknown also LSB off/on same freq	FX	....	mostly idling
18,981.0	USB	....	unknown yelling HALLO HALLO HABIB!	msg in AA	duplex telcom	
18,984.0	LSB	....	unknown	FX	....	Telcom/AA/FF
18,985.0	425/50N	OLD2	Prague, Czechoslovakia	FX	30.0	CTL Nx EE 0800-0845
(No newscasts on Sundays) 1030-1115 & 1200-1245 [Beamed to the Far East]						
18,985.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	5.0	French Navy
18,985.0	CW	"NRBI"	unknown	FX	....	Coded Tfc
18,985.0	F1B	FUJ	Noumea Naval, New Caledonia	FX	....	French Navy
18,988.0	425/50R	JAX78	Tokyo, Japan	FX	10.0	Diplomatic Information service 0200-0300, 0400-0500 & 0600-0700
18,988.0	USB	....	unknown OM counting & screaming for "....Martino"			
18,989.8	425/50R	....	Huban, Kuwait	FX	....	Pakistan EMBASSY
18,989.8	USB	....	unknown, clg "RADIO BOLIVAR" & counting	FX	....
18,990.0	B9W	FTS99	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
18,990.0	425/50R	....	Beirut, Lebanon	FX	....	Pakistan EMBASSY
18,990.2	170/...e	....	unknown	FX	....
18,992.5	425/50R	....	Islamabad, Pakistan	FX	....	MFA
18,992.7	425/50R	....	Tripoli, Libya	FX	....	Pakistan EMBASSY
18,993.0	425/50R	....	Baghdad, Iraq	FX	....	Pakistan EMBASSY
18,993.2	425/50R	....	Ankara, Turkey	FX	....	Pakistan EMBASSY
18,995.0	425/50R	"B-18"	Manama, Bahrain	FX	1.0	Pakistan EMBASSY
18,995.2	CW	SOT299	Warsaw, Poland	FX	20.0	PAP Nx Polish
1400-1500 [Beamed to ships in the South Atlantic Ocean]						

kHz	Mode	Call	Location	Service	kW	Remarks
18,995.2	USB	SOT299	Warsaw, Poland	FX	20.0	Telcom
18,995.2	170/FEC	SOT299	" "	FX	20.0	PAP Nx Polish
			1200-1300 [Beamed to ships in the			South Atlantic Ocean]
18,995.2	425/50R	SOT299	Warsaw, Poland	FX	20.0	PAP Nx Polish
			1130-1200 [Beamed to ships in the			South Atlantic Ocean]
18,997.0	B9W	AGA	Hickam AFB, HI	FX	2.5	USAF
19,000.0	425/50N	†PRI	Campo Grande, Brazil	FX	....	RYRY
19,000.0	170/75R	RHK20	Kuibyshev, USSR	FX	25.0	Tfc/Hanoi
19,000.2	1000/50N	....	unknown	FX	....	Coded Tfc
19,001.0	170/ARQ	...	Cairo, Egypt	FX	....	MFA
19,002.0	425/50R	ASP32	Islamabad, Pakistan	FX	....	MFA
19,002.4	USB	....	unknown	...	....	EE
19,003.2	USB	....	unknown, possibly Islamabad	...	....
19,004.4	425/50R	....	unknown	...	....	EE
19,005.1	425/50R	....	Islamabad to Bahrain flight info	...	....
19,006.0	425/50R	....	Baghdad, Iraq	FX	....	Pakistan EMBASSY
19,006.0	425/50R	....	Belgrade, Yugoslavia	FX	....	Pakistan EMBASSY
19,007.3	900/50R	8WB4	Teheran, Iran	FX	....	Indian EMBASSY
19,007.9	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
19,008.2	B8E	GCB39B	London (Rugby), England	FX	30.0	Telcom/Tfc
19,010.8	350/50Rc	....	unknown	...	....
19,011.0	425/50R	BAC59	Beijing, PRC	FX	5.0	XNA Nx EE 0100-0300
			[Beamed to India & Nepal]			
19,012.0	170/ARQ	PCW6	Jeddah, Saudi Arabia	FX	....	Dutch EMBASSY
19,012.3	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
19,013.0	USB	†KNY24	Washington, DC	FX	1.0	GFR EMBASSY
19,013.0	F1B	....	Islamabad, Pakistan	FX	....	MFA
19,014.0	425/50R	....	Teheran, Iran	FX	....	Pakistan EMBASSY
19,015.0	900/50R	PWZ33	Rio de Janeiro Naval, Brazil	FX	15.0	Brazilian Navy
			(Varies shift and speed from month to month)			
19,015.0	USB	....	Paris VM ip			
19,016.2	425/50R	....	Tripoli, Libya	FX	....	Pakistan EMBASSY
19,017.0	FAX	AFA	Andrews AFB, MD	FX	10.0	USAF
19,019.0	850/75R	....	unknown	FX	....	FOXES (glbd)
19,021.0	425/50R	8WD7	New Delhi, India	FX	....	EMBASSY
19,022.0	CW	8WB4	Teheran, Iran	FX	....	Indonesian EMBASSY
19,022.5	USB	....	numerous, worldwide	FX	....	US Army/MARS
19,023.9	500/....	....	unknown	FX	....
19,024.0	USB	....	unknown	FX	....	NUMBERS/GG/YL/5
19,025.0	USB	WAR	Pentagon (Ft. Meade, MD), VA	FX	1.0	US Army MARS
19,030.0	B9W	D2J33	Luanda, Angola	FX	10.0	ANGOP
19,030.0	B8E	EHY25	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Tfc
19,030.0	425/50R	RCQ76	Iakutsk, USSR	FX	5.0	Meteo
19,032.0	425/....	....	unknown	FX	....
19,032.1	170/75Nc	....	unknown	FX	....
19,033.8	USB	....	unknown says;"OK OK BYE BYE"	...	....
19,033.8	USB	....	unknown	...	....	Telcom PP
19,035.0	425/50R	RFD50	Moscow, USSR	FX	15.0	TASS Nx PP 0815-1600
			[Beamed to Southern Europe & Brazil]			
19,036.0	USB	†70B90	Aden, PDR Yemen (South)	FX	5.0	Telcom
19,040.0	F1B	†GLU39	London (Ongar), England	FX	20.0	Nx
			[Beamed to the Middle East & East Africa]			
19,042.0	425/50R	BZT39	Wulumuqi, PRC	FX	10.5	XNA
			[Beamed to Eastern Europe]			
19,045.0	850/50Rc	....	unknown	FX	....
19,046.0	LSB	ETS8	Addis Ababa, Ethiopia	FX	10.0	Telcom
19,047.0	850/....	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
19,050.3	425/50N	8WD4	New Delhi, India	FX	....	MFA
19,050.9	500/50N	....	unknown	FX	....	vy weak sig EE/Tfc
19,056.0	CW	ULY4	Aleksandrovsk, USSR	FX	....
19,056.0	525/....	....	unknown	FX	....
19,056.0	525/50N	....	Sofia, Bulgaria	FX	....	MFA
19,058.0	850/75N	OBC	Callao Naval, Peru	FX	....	Peruvian Navy
19,059.0	170*/50	MKD	Akrotiri, Cyprus	FX	30.0	DCN
19,060.0	425/75R	RMC20	Moscow, USSR	FX	80.0	APN Nx FF 0700
19,060.0	425/50R	RMC20	" "	FX	20.0	TASS Nx EE 0600-1515
			[Beamed to heavens knows where]			
19,060.0		RMC20	unknown	...	....
19,062.0	CW	†PZA2	Paramaribo, Suriname	FX	....
19,065.0	850/50N	CLP1	Havana, Cuba	FX	....	MINREX

kHz	Mode	Call	Location	Service	kW	Remarks
19,065.0	425/...e	....	Etampes Air, France	FX	20.0	French AF
19,066.0	850/50N	ZPN2	Asuncion Aeradio, Paraguay	AX	3.0	Tfc/Rio de Janeiro
19,068.4	425/50R	CNM83/X9	Rabat, Morocco	...	....	MAP Nx FF 1000-1130 & 1530-1700 to NA MAP Nx EE 1200-1400 to NA
19,070.0	B9W	RRG25	Moscow, USSR	FX	50.0	
19,070.0	AM	RRG25	" "	FX	50.0	R. Moscow Feeder
19,073.9	525/50R	....	unknown	FX	....	Czech EMBASSY
19,077.0	425/50R	BZM40	Wulumuqi, PRC	FX	25.0	XNA Nx AA 0900-1200 (Not on Saturdays) [Beamed to North Africa & the Middle East]
19,078.5	USB	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
19,080.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	7.0	British Navy
19,085.0	850/50R	XVG61	Ho Chi Minh City, Vietnam	FX	2.0	Tfc/Singapore
19,088.0	425/50R	BZB80	Wulumuqi, PRC	FX	10.5	XNA [Beamed to Middle East]
19,090.0	B8E	TTZ90	N'Djamena, Chad	FX	20.0	Tfc/Paris [Frequency varies from 19,083.0 to 19,097.0]
19,090.0	CW	†RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
19,090.0	CW	70B450	Tawah, PDR Yemen (South)	FX	0.1	Italian EMBASSY
19,090.0	850/50R	6VK219	Dakar, Senegal	FX	20.0	Tfc/Paris
19,093.0	B9W	TTZ90	N'Djamena, Chad	FX	20.0	Telcom/Paris
19,095.0	425/50N	....	Jakarta, Indonesia	FX	....	MFA (Not on Sundays) Nx EE & Indonesian 0900-1400
19,095.0	425/50R	CNM84	Rabat (Tangier), Morocco	FX	10.0	MAP [Beamed to South America]
19,095.5	170*/50	MKD	Akrotiri, Cyprus	FX	30.0	DCN (may occasionally transmit 425/50N)
19,095.5	CW	....	unknown	FX	....	Coded Tfc
19,098.0	475/75Rc	....	unknown, probably in USSR	FX	....
19,098.1	CW	RCV	Moscow Naval, USSR	FX	....	Russian Navy (clg RNMW)
19,100.0	850/50N	S2M33	Dhaka, Bangladesh	FX	....	BSS Nx EE 0600-0630 [Beamed to Korea/Japan] 0630-0700 directed Indonesia 0900-0930 directed to Middle East; 0930-1000 to India/Nepal & 1100-1200
19,100.0		S2M33	unknown	...	....	BSS Nx EE 0600-0630 (FE), 0630-0700 (SEA), 0900-0930 (ME), 0930-1000 (PAK/IRN) & 1100-1200 (EUR)
19,100.0	850/...e	FUF	Fort de France Naval, Martinique	FX	....	French Navy
19,100.0	AM	....	something abt POLITICIA	FX	....
19,105.0	425/50R	RPT34	Tashkent, Uzbek SSR	FX	80.0	TASS Nx FF 0400-1200 [Beamed to Southeast Asia]
19,107.5	425/50N	....	unknown	...	....
19,108.2	425/50N	....	unknown	...	....	EE
19,110.0	USB	†FYT2	Paris (St. Assise), France	FX	20.0	Telcom/Havana
19,111.9	425/50N	....	Jakarta, Indonesia	FX	....	MFA (1100-1345)
19,115.0	B8E	CUA85	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
19,115.0	F7B	RPC23	Kiev, Ukrainian SSR	FX	25.0	
19,117.0	CW	†"BR2"	unknown	FX	....
19,117.0	850/...e	....	unknown	FX	....
19,118.0	LSB	....	unknown, probably in Brazil	FX	....	Net/PP
19,118.0	425/75N	4UT	Bangkok, Thailand	FX	1.0	UN
19,120.0	425/50R	BAL27	Beijing, PRC	FX	25.0	Tfc/EUR
19,123.5	USB	PCW1	The Hague, Netherlands	FX	1.2	MFA
19,123.5	USB	PCW20	Warsaw, Poland	FX	1.0	Dutch EMBASSY
19,125.0	170/ARQ	PCW1	The Hague, Netherlands	FX	0.8	MFA
19,125.0	425/75N	Z2H26	Harare, Zimbabwe	FX	1.0	Dutch EMBASSY
19,127.0	425/75R	RMC21	Moscow, USSR	FX	20.0	APN Nx FF 0700-0800 Nx EE 0800-1000
19,128.0	425/50R	BAR79	Beijing, PRC	FX	10.0	XNA [Beamed to Burma]
19,130.0	CW	OGX	Helsinki, Finland	FX	1.0	INTERPOL
19,130.0	*170/50N	FSB61	Paris (St. Martin Abbat), France	FX	1.5	"
19,130.0	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
19,130.0	CW	8UF75	New Delhi, India	FX	5.0	"
19,130.0	170/75N	JPA59	Nagoya (Komaki), Japan	FX	10.0	"
19,130.0	850/50N	9VE46	Singapore Aeradio, Singapore	AX	10.0	Tfc/Sydney
19,133.0	170/50R	....	Algiers, Algeria	FX	....	MFA
19,135.0	850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	10.0	USN
19,135.0	850/75N	AOK	NS Rota, Spain	FX	....	USN
19,136.8	USB	....	Americans in Bell Tel Systems	...	....
19,140.0	B9W	3MA29	Nanjing, PRC	FX	20.0	Tfc/San Francisco

kHz	Mode	Call	Location	Service	kW	Remarks
19,140.0	A3E/R7B	....	URS	FX	....
19,143.0	B9W	†AFE86	Parham, Antigua	FX	25.0	USAF
19,147.0	F1B	KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY
19,147.5	USB	EHY78	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Banapa
19,147.8	USB	....	Madrid, Spain	...	....	Telcom
19,147.8	USB	....	unknown	...	....	Telcom
19,147.8	USB	....	unknown	...	....	PP
19,149.4	LSB	....	unknown, possibly NASA	...	....
19,149.4	LSB	....	unknown, possibly military	...	....
19,150.0	425/50R	BAJ29	Beijing, PRC	FX	15.0	XNA Nx EE 0300-0630
[Beamed Sri Lanka & Indian sub-continent]						
19,152.5	850/...e	....	unknown	FX	....
19,154.0	USB	EHY78	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Malabo
19,155.0	F7B	RTG51	Vladivostok, USSR	FX	80.0	Tfc
19,160.0	425/50R	BAC39	Beijing, PRC	FX	5.0	Tfc/Prague
19,160.0	LSB	....	Madrid, Spain	FX	....	Telcom
19,160.1	850/50Rc	....	unknown, probably in USSR	FX	....
19,160.2	LSB	EHY78	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Banapa
19,162.0	850/...e	....	unknown	FX	....
19,163.1	170/...e	....	unknown	FX	....
19,165.0	950/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,167.5	USB	SUA311	Cairo, Egypt	FX	35.0	Telcom
19,168.0	425/...e	....	unknown	FX	....
19,168.0	CW	....	unknown	...	....
19,168.0	CW	....	unknown, says "SR FOR RWQ5 ULV2"	...	....
19,168.2	150/75R	....	unknown	...	....
19,170.0	425/75R	RRG24	Moscow, USSR	FX	50.0	APN Nx FF 0700
				FX	50.0	APN Nx EE 1100
[Beamed to West Africa]						
19,171.1	425/50R	CNM85X	Rabat (Tangier), Morocco	FX	10.0	MAP Nx FF 1000-1130
						EE 1200-1400
						FF 1630-1650
						SS 1800-2000
[Beamed to Eastern Europe, Middle East & Southeast Asia]						
19,172.1	425/50R	FDY	Orleans Air, France	FX	....	French AF
19,172.5	425/...e	....	Etampes Air, France	FX	20.0	French AF
19,177.5	850/...e	....	unknown	...	....
19,178.0	425/50R	†IRR31	Rome (Torrenova), Italy	FX	10.0	ANSA
19,178.0	LSB	†....	Bonaire, Netherlands Antilles	FX	....	R. Nederland Relay
19,180.0	B8E	CUA86	Lisbon (Alfragide), Portugal	FX	10.0	
19,180.0	425/75Rc	....	unknown	FX	....
19,182.5	350/50N	9KT361	Huban, Kuwait	FX	10.0	KUNA Nx EE
19,184.2	300/75R	....	unknown	FX	....
19,186.5	350/50N	9KT361	Huban, Kuwait	FX	10.0	KUNA Nx AA
19,196.0	B8E	5UR91	Niamey, Niger	FX	20.0	Telcom
19,198.8	525/50N	"YBU"	unknown, very probably in Cuba	FX	....
19,200.0	425/50R	ZBZ4	Teheran, Iran	FX	....	IRNA Nx EE 1000-1100
[Beamed to the Middle East & Western Europe]						
19,203.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	10.0	French Navy
19,203.0	850/...e	FUF	Fort de France Naval, Martinique	FX	5.0	" "
19,203.0	850/...e	FUJ	Noumea Naval, New Caledonia	FX	2.0	" "
19,204.0	F7B	RBB54	Magadan, USSR	FX	20.0	Tfc
19,205.0	850/...e	....	several, Pacific Ocean area	FX	....	USN
19,205.5	LSB	†FTT2Ø	Paris (St. Assise), France	FX	20.0	Telcom
19,210.0	USB	RCC79	Moscow, USSR	FX	15.0	Feeder for RADIO ORBITA-2
19,210.0	425/50R	RCC79	Moscow, USSR	FX	15.0	TASS Nx PP 0600-1600
[Beamed to Southern Europe & Brazil]						
19,212.0	425/50N	CLN622	Havana (Bauta), Cuba	FX	10.0	PL
[Beamed to South America]						
19,215.0	850/...e	FUF	Fort de France Naval, Martinique	FX	5.0	French Navy
19,215.0	CW	....	unknown	...	....
19,224.0	525/...e	....	unknown	FX	....	(also data)
19,225.0	CW	CLP1	Havana, Cuba	FX	...	MINREX
19,225.0	F7B	RTC28	Novosibirsk, USSR	FX	20.0	Tfc
19,226.0	USB	AGA3HQ	Scott AFB, IL	FX	2.0	USAF/MARS
19,230.0	425/45Ne	KAA6Ø	Grand Island, NE Ø111Ø	FX	3.0	FCC
19,230.0	CW	....	unknown	...	....
19,231.0	425/75R	GFH	COMMEN Hongkong, Hongkong	FX	....	British Navy
19,231.0	900/50R	....	Pyongyang, PDR Korea (North)	FX	....	MFA

kHz	Mode	Call	Location	Service	kW	Remarks
19,235.0	425/50R	RWW70	Moscow, USSR	FX	15.0	TASS Nx FF 0600-1545 1600-1900 [Beamed to West Africa]
19,235.0		RWW70	unknown	...	....
19,238.0	CW	Y7L38	Havana, Cuba	FX	....	GDR EMBASSY
19,240.0	USB	CME313	Havana, Cuba	FX	2.0	GDR EMBASSY
19,240.0	CW	Z2F13	Harare, Zimbabwe	FX	1.0	GDR EMBASSY
19,240.9	350/50R	....	unknown abt Associated Instruments Mfg., New Delhi			
19,242.0	350/50R	Y7A75	Berlin (Nauen), GDR	FX	5.0	MFA
19,242.3	250/50N	Y7L36	Havana, Cuba	FX	1.0	GDR EMBASSY
19,243.0	CW	....	Khartoum, Sudan	FX	....	MFA
19,245.0	F7B	RAQ24	Tashkent, Uzbek SSR	FX	80.0	
19,247.5	USB	†FTT24	Paris (St. Assise), France	FX	20.0	Telcom
19,249.0	LSB	FTT25	Paris (St. Assise), France	FX	20.0	Telcom
19,250.0	500/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,250.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
19,250.0	425/50N	AWC	Calcutta Aeradio, India	AX	2.0	Tfc/Karachi
19,250.0	B8E	5RY92	Antananarive, Madagascar	FX	10.0	Telcom/Tfc
19,250.0	*425/50R	Z2F81	Harare, Zimbabwe	FX	1.0	PRC EMBASSY
19,253.5	CW	CLP1	Havana, Cuba	FX	....	MINREX
19,255.0	850/50N	VNJ	Casey Base, Antarctica	FX	10.0	ANARE
19,255.0	USB	VNM	Mawson Base, Antarctica	FX	1.0	"
19,255.0	USB	VNM	Hobart (Kingston) Tas., Australia	FX	1.0	"
19,255.0	425/50R	RW062	Tbilisi, Georgian SSR	FX	20.0	
19,256.0	750/75Rc	....	unknown	FX	....
19,256.1	850/75Rc	....	unknown	FX	....
19,256.8	CW	....	unknown	FX	....	RR/text 1815
19,259.0	425/50R	D2J34	Luanda, Angola	FX	30.0	
19,261.5	LSB/AFSK	†....	Greenville, NC	FX	40.0	VOA Feeder
19,261.5	B8E	....	Bethany, OH	FX	50.0	VOA Feeder
19,263.1	850/50N	ZEN91	Cape D'Aguiar, Hongkong	FX	3.0	Tfc/Seoul
19,265.0	USB	ZEN91	Cape D'Aguiar, Hongkong	FX	3.0	Telcom
19,265.7	170/50R	YKQ	Maracay Aeradio, Venezuela	AX	....	Meteo
19,270.0	850/75N	KWM24	unknown	FX	....	USA EMBASSY
19,271.0	425/...e	....	unknown	FX	....	Idling
19,275.0	B9W	CUC23	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
19,275.0	FAX	RX074	Khabarovsk, USSR	FX	100.0	Meteo
19,275.5	CW	....	unknown	FX	....	Coded Tfc
19,276.1	425/50R	CNM86/X11	Rabat (Tangier), Morocco	FX	10.0	MAP Nx SS 1800-2000 [Beamed to South America]
19,280.0	170/75N	4UZ	Geneva, Switzerland	FX	20.0	[GVA] UN
19,280.0	170/75N	4UV	Nairobi, Kenya	FX	3.5	UNEP
			(Also using this frequency have been: 4UA, Rawalpindi, Pakistan; 4UF, Addis Ababa, Ethiopia; 4UN, Jerusalem, Israel & 4US, Nicosia, Cyprus)			
19,285.0	425/50R	RGG49	Kuibychev, USSR	FX	25.0	
19,285.0	425/50N	....	unknown	FX	....	EMBASSY Tfc
19,288.0	850/50N	ATW69	Madras, India	FX	5.0	Tfc/Jakarta
19,291.4	LSB	....	unknown	...	....	AFRTS Feeder
19,295.0	170/50N	"MAN"	Madrid, Spain	FX	....	MFA
19,295.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
19,295.4	CW	CLP1	Havana, Cuba	FX	....	MINREX
19,297.1	USB	†....	Northwest Pacific LORAN NET	FX	....	USCG (Includes: NRT, "Yokota Monitor", Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is.; NRV7, Yap Island) [Alt: 17,488.6]
19,300.0	425/50R	BCB93	Shanghai, PRC	FX	5.0	Tfc/Bangkok
19,302.8	170/ARQ	PCW10	Islamabad, Pakistan	FX	....	Dutch EMBASSY
19,303.0	USB	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	40.0	USAF/NASA
19,303.5	USB	PCW	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
19,304.8	CW	†CLQ	Havana, Cuba	FX	....
19,305.0	USB	FTT30	Paris (St. Assise), France	FX	20.0	Telcom
19,305.0	425/75N	PCW	Jerusalem, Israel	FX	0.8	Dutch EMBASSY
19,305.0	170/ARQ	PCW20	Warsaw, Poland	FX	1.0	"
19,305.0	425/75N	Z2H26	Harare, Zimbabwe	FX	1.0	"
19,306.0	170/ARQ	PCW13	Teheran, Iran	FX	....	Dutch EMBASSY
19,311.0	F7B	RDK26	Tbilisi, Georgian SSR	FX	20.0	Tfc
19,312.0	850/75Rc	....	unknown	FX	....
19,313.0	425/75N	4UNF	Addis Ababa, Ethiopia	FX	10.0	UN
19,314.0	USB	†....	unknown	FX	....	Telcom/FF

kHz	Mode	Call	Location	Service	kW	Remarks
19,320.0	F7B	RLD22	Alma Ata, USSR	FX	50.0	Tfc/Hanoi
19,320.0	LSB	RRG22	Moscow, USSR	FX	15.0	R. Moscow Feeder
19,320.0	F7B	RGG22	" "	FX	15.0	Tfc/Hanoi
19,324.0	B8E	FZS93	St. Denis (Bel Air), Reunion	FX	35.0	Telcom/Tfc
19,325.0	USB	....	several, in Lebanon	FX	....	Italian UNFIL
			(Stations appear to use callsign with prefix "IED")			
19,325.0	USB	IED26	Beirut (ITALCOM); IED22 Beirut (ITALAIR); IED21 Rome (CIF) & IED24 Mila			All WWDXC3/83
19,327.5	425/50R	ZEN92	Cape D'Aguilar, Hongkong	FX	3.0	AFP Nx EE 0105-1200
			("EXOR" Service)			[Beamed to India & Burma]
19,330.0	425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
19,330.0	LSB	LBL1	Beirut, Lebanon	FX	....	Norwegian UNFIL
19,331.0	USB	JXA	Oslo, Norway	FX	....	Norwegian Army
19,332.5	170/ARQ	JXA	Oslo (Tuentangen), Norway	FX	....	Norwegian Army
19,332.5	170/ARQ	LBL1	Beirut, Lebanon	FX	....	Norwegian UNFIL
19,335.0	425/50R	↑PLE5	Bandung, Indonesia	FX	80.0	Tfc
19,336.0	170/ARQ	↑ELE39	Harbel, Liberia	FX	15.0	Tfc/Akron
19,336.0	170/ARQ	↑WQB39	Akron, OH	FX	15.0	Tfc/Harbel
19,336.0	CW	....	unknown	...	....
19,336.0	170/50R	....	unknown	...	....
19,336.0	250/75e	....	unknown	...	....
19,344.5	USB	↑KUR20	Honolulu, HI	FX	1.0	Tfc/Agana
						[Alt: 20,348.5 & 20,602.5]
19,347.0	425/50R	BZS20	Wulumuqi, PRC	FX	40.0	XNA
						[Beamed to Central Africa]
19,347.4	500/50R	....	Warsaw, Poland	FX	....	MFA
19,352.0	225/50Nc	....	unknown, probably in the USSR	FX	....
19,355.0	425/50R	PLE6	Bandung, Indonesia	FX	80.0	Tfc/Karachi
19,355.0	CW	BXQ68	Lagos, Nigeria	FX	....	PRC EMBASSY
19,357.0	675/...e	....	unknown	FX	....
19,359.7	CW	....	Rome, Italy	FX	....	INTERPOL
19,360.0	CW	OQX	Helsinki, Finland	FX	1.0	INTERPOL
19,360.0	*170/50N	FSB62	Paris (St. Martin Abbat), France	FX	1.5	"
19,360.0	*170/50N	DEB	Wiesbaden, GFR	FX	5.0	"
19,360.0	CW	8UF75	New Delhi, India	FX	5.0	"
19,360.0	*170/50N	JPA57	Nagoya (Komaki), Japan	FX	10.0	"
19,360.0	CW	5YG	Nairobi, Kenya	FX	....	"
			(Also reported on this frequency are 5BP2, Nicosia, Cyprus; SYZ, Athens, Greece; EP5X, Teheran, Iran; TUW210, Abidjan, Ivory Coast; 50P25, Lagos, Nigeria; 5TP25, Nouakchott, Mauritania & 3VA, Tunis, Tunisia)			
19,362.0	425/50R	BZM42	Wulumuqi, PRC	FX	40.0	XNA
						[Beamed to East Africa]
19,370.0	850/50N	3DN	Nandi Aeradio, Fiji	AX	6.0	Tfc/Tahiti
19,374.0	425/75R	↑4UA	Rawalpindi, Pakistan	FX	....	UN
19,379.8	USB	↑WEK69	New York, NY	FX	80.0	Telcom
19,380.0	F7B	RGV55	Irkutsk, USSR	FX	20.0	
19,383.5	CW	Y7F54	Algiers, Algeria	FX	....	GDR EMBASSY
19,384.0	425/50R	BZG49	Wulumuqi, PRC	FX	40.0	XNA
						[Beamed to Central Africa]
19,385.0	CW	3VA81	Tunis, Tunisia	FX	0.4	
19,390.0	425/50N	Y7A76	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN/EMBASSY
			(also FSK)			[Non-directional]
19,392.0	550/...e	....	unknown	FX	....
19,393.0	*425/50R	Y7D35	Conakry, Guinea	FX	1.0	GDR EMBASSY
19,396.0	425/50R	GDW39	London (Rugby), England	FX	10.0	J1J1 Nx EE/JJ
			1200-1330 (Not on Sundays)			[Directed to Lagos]
						GNA Nx EE 1215-1600
						[Beamed to South Africa]
19,396.1	425/50R	....	unknown, says "GNA LONDON OFFICE CALLING ACCRA OUR CAST FOR TODAY FOLLOWS"			
19,400.0	F7B	BBM22	Shanghai, PRC	FX	15.0	Tfc/EUR
19,400.0	425/75R	CME330	Havana, Cuba	FX	1.0	Czech EMBASSY
19,400.0	425/50N	VVD69	New Delhi, India	FX	5.0	Meteo (0040-1400)
19,405.0	170/50N	....	Helsinki, Finland	FX	1.0	INTERPOL
19,405.0	*170/ARQ	FSB63	Paris (St. Martin Abbat), France	FX	2.5	"
19,405.0	CW	TUW210	Abidjan, Ivory Coast	FX	1.0	"
19,405.0	170/50N	SHX	Stockholm, Sweden	FX	1.0	"
19,405.0	CW	TCC2	Ankara, Turkey	FX	....	"
19,411.5	B8E	ETS41	Addis Ababa, Ethiopia	FX	10.0	Telcom/Tfc

kHz	Mode	Call	Location	Service	kW	Remarks
19,416.7	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,417.0	850/...e	FUM	Papeete Naval, Tahiti	FX	20.0	French Navy
19,420.0	850/...e	....	numerous, worldwide	FX	....	USN (Active)
19,421.0	425/75R	BXT21	unknown	FX	....	PRC EMBASSY
19,425.0	CW	9ES5Ø	Addis Ababa, Ethiopia	FX	0.5	MFA
19,430.0	525/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,430.0	LSB	ATS69	Bombay (Kirkee), India	FX	20.0	Telcom/Tfc
19,430.0	B8E	9RE394	Lubumbashi, Zaire	FX	3.0	Telcom/Tfc
19,430.0	USB	....	unknown ("Attention 199")	FX	....	NUMBERS/EE/YL
19,430.5	425/50R	BCD29	Shanghai, PRC	FX	15.0	Tfc/Rangoon
19,431.1	170*/50	MKD	Akrotiri, Cyprus	FX	30.0	DCN
19,432.8	USB	....	unknown	...	....
19,435.0	850/50Rc	....	unknown	FX	....
19,435.0	LSB	9RE394	Lumbumbashi, Zaire	FX	3.0	Telcom
19,436.1	USB	9RE365	Lubumbashi, Zaire	FX	3.0	Telcom/Brussels
19,436.3	F1B	....	Belgrade, Yugoslavia	FX	....	Indian EMBASSY
19,438.0	850/75R	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
19,438.0	850/75R	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	Argentinian Navy
19,438.5	USB	....	Doha, Qatar	FX	1.0	Tfc/Cairo
19,440.0	F7B	RPT33	Tashkent, Uzbek SSR	FX	80.0	
19,440.0	475/75N	....	unknown	...	....	5 ltr groups
19,440.6	425/50N	8WD4	New Delhi, India	FX	....	MFA
19,442.5	LSB	....	unknown	...	....	Telcom/FF
19,442.5	LSB	....	unknown	...	....	Telcom
19,442.5	LSB	....	unknown	...	....
19,443.0	USB	CME314	Havana, Cuba	FX	2.0	GDR EMBASSY
19,443.0	425/50R	Y7B45	Nicosia, Cyprus	FX	1.0	GDR EMBASSY
19,443.0	425/50R	Y7A77	Berlin (Konigs Wusterhausen), GDR	FX	20.0	MFA
19,443.0	425/100N	Y7A77	" " "			
19,443.0	....	....	unknown	...	....
19,445.0	425/50R	BAC5	Beijing, PRC	FX	15.0	Tfc/Europe
19,450.0	CW	VTK3	Tuticorin Naval, India	FX	....	Indian Navy
19,452.0	....	†....	COSMOS Satellites	EH	....	Oceanography
19,452.9	475/75N	....	unknown	FX	....	Coded Tfc
19,455.0	B8E	....	Rampisham, England	FX	....	BBC Feeder
19,458.0	CW	†KNY2Ø	Washington, DC	FX	1.0	Polish EMBASSY
19,458.2	*425/75R	KNY23	Washington, DC	FX	1.0	Czech EMBASSY
19,460.0	425/50R	Y3J	Berlin (Nauen), GDR	FX	20.0	ADN
[Beamed to Central Africa]						
19,460.0	B9W	AGA	Hickam AFB, HI	FX	5.0	USAF
19,460.0	B9W	AHD	Ramey AFB, PR	FX	5.0	"
19,460.0	B9W	AFG9	Scott AFB, IL	FX	5.0	"
19,461.0	575/75R	....	unknown	FX	....	OK QSL then idle
19,461.5	USB	ETS43	Addis Ababa, Ethiopia	FX	1.0	Nigerian EMBASSY
19,463.0	425/75R	....	Prague, Czechoslovakia	FX	....	Czech EMBASSY
19,463.0	170/50R	ETS43	Addis Ababa, Ethiopia	FX	1.0	Nigerian EMBASSY
19,463.2	425/50N	....	Khartoum, Sudan	FX	....	SUNA Nx FF 0900-1000 1600-1700
[Non-directional]						
19,463.2	...	....	unknown	...	....	SUNA
19,463.5	500/75R	....	Montreal, Ont., Canada	FX	1.0	Czech EMBASSY
19,464.0	425/50R	....	Warsaw, Poland	FX	....	PAP Nx Polish 1400-1430 (To fishing fleet)
19,465.0	850/50N	JAT59	Tokyo, Japan	FX	10.0	Tfc/South America
19,465.0	425/75R	KNY23	Washington, DC	FX	1.0	Czech EMBASSY
19,466.0	425/75N	....	Montreal, PQ, Canada	FX	1.0	Czech EMBASSY
19,470.0	B8E	†WFK29	New York, NY	FX	....	RFE Feeder
19,472.0	250/50R	....	unknown	FX	....	Coded Tfc
19,472.0	350/75Re	....	unknown	FX	....	(also data)
19,478.0	425/50N	4UA	Rawalpindi, Pakistan	FX	....	UN
19,478.2	425/50R	XVA8Ø	Hanoi, Vietnam	FX	5.0	Tfc/Calcutta
19,479.2	B8E	....	Kigali, Rwanda	FX	....
19,479.6	425/50R	XVF2	Ho Chi Minh City, Vietnam	FX	....	Tfc/Paris
19,480.0	B8E	....	Delano, CA	FX	50.0	VOA Feeder
19,480.0	425/75N	....	Greenville, NC	FX	40.0	USIA
19,480.0	B8E	....	Bethany, OH	FX	50.0	VOA Feeder
19,481.0	425/50R	XVF2	Hanoi, Vietnam	FX	....	Tfc
19,485.0	850/50R	AZG691	Buenos Aires, Argentina	FX	1.0	Commercial Tfc
19,487.0	CW	TUW22Ø	Abidjan, Ivory Coast	FX	1.0	Governmental
(Bulletins to Central African Republic, Gabon,						

kHz	Mode	Call	Location	Service	kW	Remarks
Mali, Niger, Nigeria, Senegal, Togo & Zaire)						
[Alt: 14,827.0]						
19,488.0	650/50N	ZLX31	Himatangi Naval, New Zealand	FX	....	RNZ Navy/Meteo
19,488.2	CW	ZLX31	Himatangi Naval, New Zealand	FX	5.0	RNZ Navy (NOAA
reports wx broadcasts at 0200, 0500, 0520, 2040 & 2110)						
19,494.0	*425/50R	Y7D35	Conakry, Equatorial Guinea	FX	....	GDR EMBASSY
19,497.0	850/....e	....	unknown	FX	....	Idling
19,499.0	USB	....	Malabo, Equatorial Guinea	FX	....	Telcom/SS
19,500.0	USB	PUZ4	Brasilia, Brazil	AX	1.0	Governmental
19,500.0	USB	AFH3	Albrook AFS, Panama	FX	3.0	USAF
19,500.0	F7B	RRG21	Moscow, USSR	FX	20.0	TASS
19,500.0	B9W	AFA	Washington (Andrews AFB, MD), DC	FX	3.0	USAF
19,500.0	625/75N	....	unknown	FX	....	XDRY XDRY XDRY
19,501.0	CW	Y7G59	New Delhi, India	FX	....	GDR EMBASSY
19,505.0	425/50N	RDZ36	Moscow, USSR	FX	20.0	PL Nx EE/FF/PP/SS
0700-1500 [Beamed to Africa & the Middle East]						
19,505.0	B8E	....	Greenville, NC	FX	50.0	VOA Feeder
19,505.0	F1B	RCD36	unknown	...	....	PL Nx PP-0700/EE-0800/
PP-0900/EE-1000/PP-1100/EE-1200/PP-1300/EE-1330 & SS-1400-1500						
19,510.0	425/50R	†HGX42	Teheran, Iran	FX	....	Hungarian EMBASSY
19,510.0	425/50R	HGX45	Islamabad, Pakistan	FX	....	Hungarian EMBASSY
19,513.6	650/50R	HGX39	New Delhi, India	FX	....	Hungarian EMBASSY
19,515.0	425/50R	CNM87	Rabat (Tangier), Morocco	FX	10.0	MAP Nx EE 1200-1400
SS 1800-2000						
[Beamed to the Caribbean & Central America]						
19,517.0	CW	†UMS	Moscow Naval, USSR	FX	....	Russian Navy
19,520.0	425/50R	ZE094	Cape D'Aguilar, Hongkong	FX	7.0	UPI Nx EE 0700-1400
[Beamed to Bangladesh, India & Pakistan]						
19,523.0	850/50R	BZL40	Wulumuqi, PRC	FX	10.5	XNA
[Beamed to East Africa]						
19,525.0	425/50R	OLD4	Prague, Czechoslovakia	FX	50.0	CTK Nx EE 0915-1000
(Not on Sundays) [Beamed to Africa & the Middle East]						
19,525.0	850/50N	ATC70	Madras, India	FX	5.0	Tfc/Jakarta
19,525.0	425/50R	CNM88	Rabat (Tangier), Morocco	FX	10.0	MAP
[Beamed to East Africa]						
19,525.0	B8E	†CXL33	Montevideo, Uruguay	FX	2.5	Telcom
19,525.1	CW	"WOT"	unknown	FX	....	VVV's
19,526.0	USB	....	unknown	FX	....	Telcom/FF
19,528.5	B9W	MKT	London (Stanbridge), England	FX	10.0	DCN
19,529.0	850/50R	JMG5	Tokyo, Japan	FX	2.0	[JMG] Meteo
19,530.0	850/50R	BZT40	Wulumuqi, PRC	FX	25.0	XNA
[Beamed to Europe]						
19,530.0	CW	GYA	London (Northwood) Naval, England	FC	....	British Navy
19,530.2	350/....e	....	unknown	FX	....
19,531.5	850/45N	AAR0USB	unknown	...	....
19,532.0	425/50N	FJY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	
19,532.5	170/45N	AEMIUSA	Sembach, GFR	FX	5.0	US Army/MARS
19,532.5	425/75N	†....	Greenville, NC	FX	40.0	USIA
19,532.5	425/45N	WAR	Pentagon (Ft. Richie, MD), VA	FX	....	US Army/MARS
19,532.5	170/45N	....	numerous, worldwide	FX	....	US Army/MARS
19,534.1	650/50R	....	unknown	FX	....
19,535.0	850/50N	9VC91	Singapore	FX	5.0	
19,535.0	425/50R	RMN20	Kiev, Ukrainian SSR	FX	25.0	
19,535.0	USB	WAR	Pentagon (Ft. Richie, MD), VA	FX	....	US Army MARS
19,537.0	425/75R	....	unknown	FX	....	APN Nx FF
19,540.0	A3E	....	URS	FX	....
19,542.5	425/75R	BXM62	unknown	FX	....	PRC EMBASSY
19,545.0	850/....e	J2J95	Djibouti Naval, Djibouti	FX	20.0	French Navy
19,545.1	850/75R	....	unknown	FX	....
19,554.2	CW	....	unknown	FX	....
19,554.8	B9W	FZW95	Destrellan, Guadeloupe	FX	6.0	Tfc/Paris
19,555.0	425/50R	ATQ70	New Delhi, India	FX	20.0	PTI Nx EE 0130-0200
(Not on Sundays) 0530-0630						
(Sundays, only) 0600-0630						
0930-1000						
[Beamed to China & Japan]						
19,557.0	425/75R	RFD51	Moscow, USSR	FX	15.0	APN Nx EE 0830
FF 1048						
Nx PP 1225						

kHz	Mode	Call	Location	Service	kW	Remarks
19,559.0	USB	....	unknown	FX	....	Irish Batt/Telcom
19,559.0	USB	"37"	Irish Bat Harris Base wkg "Ø" 1430			
19,560.2	CW	CLP1	Havana, Cuba	FX	....	MINREX
19,563.5	850/75N	†ZPK	Asuncion, Paraguay	FX	....
19,565.0	B9W	HEK6	Berne, Switzerland	FX	4.0	Telcom
19,565.0	425/50N	70B92	Aden, PDR Yemen (South)	FX	3.0	ANA Nx AA 1400-1500 AA 1630-1730 EE 1800-1900
19,565.0		70B92	unknown	...	....
19,568.0	675/...e	....	unknown	...	....
19,570.0	850/50N	ZEN93	Cape D'Aguilar, Hong Kong	FX	10.0	Tfc/Calcutta
19,570.0	USB	FZF97	Fort de France, Martinique	FX	20.0	Telcom/Tfc
19,577.0	USB	ORI49	Brussels (Ruisseledé), Belgium	FX	30.0	Telcom
19,580.1	USB	....	unknown, possibly Russian	FX	....
19,588.0	425/...e	....	unknown	FX	....	Coded Tfc
19,588.0	850/...e	....	unknown	FX	....	Idling
19,590.0	F7B	ROJ5Ø	Vladivostok, USSR	FX	20.0	Tfc
19,590.0	CW	"WNY"	unknown, very probably in Cuba	FX	....	Coded Tfc
19,592.0	USB	IED21	Rome, Italy	FX	....	CIF
19,592.0	USB	IED26	Beirut, Lebanon	FX	....	Italian UNF
19,593.4	CW	CLP1	Havana, Cuba	FX	....	MINREX
19,598.7	170/ARQ	RFPTC	N'Djamena, Chad	FX	....	French AF
19,600.0	CW	"FZ7"	unknown	FX	....	clg FZ1
19,600.0	425/...e	....	unknown	FX	....
19,603.5	850/50N	ATR7Ø	New Delhi, India	FX	18.0	Tfc
19,605.0	425/50R	YZJ9	Belgrade, Yugoslavia	FX	30.0	TANJUG Nx EE
				0400-0500 & 0700-0800		
				(Not on Sundays) 0900-1000 [Non-directional]		
19,610.0	B8E	JBU89	Tokyo, Japan	FX	30.0	Telcom/Berne
19,610.0	USB	ZLO	Irirangi Naval, New Zealand	FX	5.0	RNZ Navy
19,610.0	F1B	HET7	Berne, Switzerland	FX	4.0	
19,610.0	425/50N	HVR	Vatican City, Vatican	FX	50.0	Tfc
19,612.0	USB	AFH3Ø	Travis AFB, CA	FX	2.0	USAF
19,613.2	LSB	....	unknown	FX	....	Telcom/FF/AA
19,613.5	425/...e	AFH3Ø	Travis AFB, CA	FX	2.0	USAF
19,614.5	525/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,615.0	425/50R	BCB	Shanghai, PRC	FX	15.0	Tfc/Rome
19,615.0	B8E	†....	Pyongyang, North Korea	FX	....	Telcom
19,616.4	LSB	....	unknown	FX	....	Telcom/SS
19,616.5	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	....	USN
19,616.6	170/ARQ	....	unknown	...	....	FF
19,617.0	piccolo	....	unknown	FX	....
19,620.0	425/50R	BB121	Shanghai, PRC	FX	80.0	Tfc/Cairo
19,620.0	425/50N	†....	unknown	FX	....	looks meteo
19,625.0	425/75R	RCD35	Moscow, USSR	FX	20.0	APN
19,628.5	USB	XYN31	Rangoon, Burma	FX	2.0	Telcom/Poona
19,630.0	B8E	†5YF92	Nairobi, Kenya	FX	30.0	Telcom/Tfc
19,632.0	425/50R	"P6Z"	Paris, France	FX	....	MFA
19,636.0	425/50R	BZM4Ø	Wulumuqi, PRC	FX	2.0	XNA
19,637.5	USB	....	undoubtedly in the USSR	FX	....	R. Afghanistan Feeder
19,640.0	USB	†....	Cape Canaveral AFS, FL	FX	....	NASA (ORION CONTROL)
19,642.0	1000/50N	....	unknown	FX	....	Indonesian Text
19,645.2	425/...e	....	unknown	FX	....	Idling
19,645.8	B9W	HBO19	Geneva, Switzerland	FX	20.0	Tfc/Rawalpindi
19,650.0	B9W	CSE4	Lajes Aeradio, Azores	AX	10.0	Tfc/Monsanto
19,650.0	425/50R	RKY65	Ashkhabad, Turkmen SSR	FX	20.0	
19,650.0	CW	....	unknown	FX	....	Coded Tfc
19,651.0	CW	UJS	unknown	FX	....	clg UHF
19,652.0	USB	FTT65	Paris (St. Assise), France	FX	2.0	Telcom/Hanoi
19,652.0	425/75N	BXS67	unknown (AM-Liaocheng, PRC)	FX	....	PRC EMBASSY
19,652.0	425/75N	....	unknown	FX	....	Coded Tfc
19,660.0	850/...e	....	unknown	FX	....
19,662.0	425/75R	BXT49	unknown	FX	....	PRC EMBASSY
19,665.0	B8E	†CNR34	Rabat, Morocco	FX	20.0	Telcom/Tfc
19,665.1	USB	†5LF19	Monrovia, Liberia	FX	6.0	Telcom/Paris
19,668.4	CW	†SQL47	Islamabad, Pakistan	FX	....	Polish EMBASSY
19,670.1	B8E	ASB33	Karachi, Pakistan	FX	5.0	Telcom/Tfc
19,673.5	425/50N	MSU	London, England	FX	....	DCN
19,674.6	425/...e	....	unknown	FX	....	Idling

kHz	Mode	Call	Location	Service	kW	Remarks
19,675.0	170/75N	....	Lagos, Nigeria	FX	....	Czech EMBASSY
19,675.0	CW	3VA82	Tunis, Tunisia	FX	1.0	
19,676.0	.../75	SPP341	Lagos, Nigeria	FX	....	Polish EMBASSY
19,678.0	USB	70B93	Aden, PDR Yemen (South)	FX	3.0	Telcom/Bombay
19,678.5	USB	CME401	Havana, Cuba	FX	0.5	British EMBASSY
19,679.5	AM	....	unknown, with CW	...	....
19,680.0 - 19,800.0 kHz — FIXED SERVICE & MARITIME MOBILE (Worldwide—shared)						
19,680.0	850/50N	JAT79	Tokyo, Japan	FX	20.0	Tfc
19,682.5	850/75Rc	....	unknown	FX	....
19,689.0	325/...e	....	unknown	FX	....
19,690.0	FAX	AXM37	Canberra, ACT, Australia	FX	20.0	Meteo
19,690.0	CW	3MA31	Nanjing, PRC	FX	2.5	Tfc
19,690.0	LSB	FTT69	Paris (St. Assise), France	FX	20.0	Tfc/Moroni
19,690.2	850/50R	AXM37	" " "	FX	20.0	[AMMC] Meteo (Every 30 minutes after each hour except 1000; 1100; 1800; 1900; 2000; 2100 & 2200 when period is reduced to 15 minutes)
19,692.0	....	"5RX"	unknown	FX	....
19,694.0	....	70B94	Aden, PDR Yemen (South)	FX	3.5	
19,696.1	LSB	....	unknown	FX	....	Telcom/FF
19,697.0	850/50N	6WW	Dakar Naval, Senegal	FX	2.0	French Navy
19,700.0	425/50R	ETS70	Addis Ababa, Ethiopia	FX	10.0	Tfc/Beirut
19,700.3	*425/50N	Y7A78	Berlin (Konigs Wusterhausen), GDR	FX	20.0	ADN/EMBASSY
19,703.6	425/45N	....	unknown	...	....
19,705.0	425/75N	....	Teheran, Iran	FX	....	Polish EMBASSY
19,705.0	850/75R	....	Ankara, Turkey	FX	....	MFA
19,705.0	425/75N	....	unknown	FX	....	Coded Tfc
19,710.0	USB	"37"	Harris Camp, Lebanon	FX	....	Irish UNFIL
19,712.0	425/50R	....	Moscow, USSR	FX	....	Tfc/Sofia
19,720.0	425/...e	....	unknown	FX	....
19,721.8	USB	....	Greenville, NC	FX	50.0	VOA Feeder
19,723.0	425/50R	Y2V39	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 0500-0550 (Not on Sundays) [Beamed to Southeast Asia]
19,724.8	USB	RRD	Moscow, USSR	FX	20.0	R. Moscow Feeder
19,725.0	170/50R	CME367	Havana, Cuba	FX	1.0	PRC EMBASSY
19,727.8	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
19,728.5	USB	OEC	Vienna, Austria	FX	10.0	MFA
19,730.0	170/75R	OEC	Vienna, Austria	FX	10.0	MFA
19,730.0	425/75R	4UAD	New Delhi, India	FX	1.0	UN
19,730.0	425/75R	4UA	Rawalpindi, Pakistan	FX	10.0	[RWP] UNESCO
19,730.0	425/75R	4UZ	Geneva, Switzerland	FX	1.0	UN
19,731.8	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA (to Suriname)
19,732.0	425/75N	†4UNA	Amman, Jordan	FX	1.0	UN
19,734.0	425/50R	6VU73	Dakar Aeradio, Senegal	AX	5.0	Meteo
19,734.0	425/75R	4UA	Rawalpindi, Pakistan	FX	10.0	UN
19,734.0	425/75N	4UT	Bangkok, Thailand	FX	10.0	[BKK] UNESCAP
19,742.0	425/75N	4UN	Jerusalem, Israel	FX	10.0	UNTSO
19,742.0	425/75R	4UZ	Geneva, Switzerland	FX	20.0	UN
19,743.9	425/50R	XVB3	Hanoi, Vietnam	FX	5.0	Tfc/Berlin, GDR
19,745.0	850/50N	9VC93	Singapore	FX	5.0	
19,746.0	425/50R	JBU39	Tokyo (Oyama), Japan	FX	20.0	Tfc/Kathmandu
19,747.0	425/50R	....	Kathmandu, Nepal	FX	....	Pakistan EMBASSY
19,747.5	425v/50R	6VU79	Dakar Aeradio, Senegal	AX	5.0	[DAA] Meteo (NOAA reports surface analysis at 1230 & 2130)
19,750.0	FAX	6VU79	Dakar, Senegal	AX	5.0	Meteo (0830-2000)
19,758.1	F1B	BQY	Baoshan Aeradio, PRC	AX	....	Meteo
19,762.0	950/50R	....	somewhere in France	FX	....
19,765.5	850/75Rc	....	unknown	FX	....
19,770.0	425/50N	ULV	Moscow, USSR	FX	....	RYRY
19,779.0	USB	....	unknown, clg Ireland (possibly Lebanon)	....	....
19,781.0	850/...e	....	unknown	FX	....
19,785.0	850/...e	....	unknown	FX	....	Idling
19,790.0	850/50N	CTU89	Monsanto Naval, Portugal	FX	10.0	Port. Navy
19,792.5	425/75N	....	Poros Union, Philippines	FX	35.0	USIA Nx EE/FF 0005-0215e ("East Asia/Pacific File")
19,793.0	425/50R	....	Warsaw, Poland	FX	....	MFA
19,795.0	425/50R	BBB	Shanghai, PRC	FX	5.0	Tfc/Sydney
19,800.0 - 19,990.0 kHz — FIXED SERVICE (Worldwide)						

kHz	Mode	Call	Location	Service	kW	Remarks
19,803.0	425/75R	BXT23	unknown	FX	....	PRC EMBASSY
19,805.0	CW	D4U	Sao Vicente Naval, Cape Verde	FX	....	Navy
19,805.2	500/50R	8EH39	Jakarta, Indonesia	FX	....	Hungarian EMBASSY
19,805.7	850/50R	LOK	Orcadas Naval, South Orkney Islands	FX	....	Argentine Navy
19,808.0	425/75R	BXM87	unknown	FX	....	PRC EMBASSY
19,808.5	850/75N	....	unknown	...	....
19,810.0	F1B	CLP1	Havana, Cuba	FX	....	MINREX
19,814.5	CW	CUC9	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
19,814.7	425/...e	....	unknown, in the USA	FX	....
19,815.3	850/45R	....	Mogadiscio, Somalia	FX	....	Italian EMBASY
19,816.7	*1000/50N	CLP1	Havana, Cuba	FX	....	MINREX
19,818.8	850/50	TCL	Diyarbakir, Turkey	FX	....
19,820.1	CW	....	unknown	FX	....	VVV's
19,824.6	350/50N	8DZ5	Jakarta, Indonesia	FX	....	ANTARA Nx EE
0630-1400 (Not on Sundays--some broadcast segments are repeats) [Beamed India, Pakistan, Middle East & Eastern Europe]						
19,825.0	425/50R	....	Moscow, USSR	FX	15.0	TASS
[Beamed to Southeast Asia]						
19,828.0	850/50N	9VF225	Singapore	FX	8.0	Tfc/London
19,830.0	F7B	RWP52	Kharaarovsk, USSR	FX	35.0	Tfc
19,830.1	425/50R	RWW76	Moscow, USSR	FX	20.0	TASS Nx FF 0600-1545 [Beamed to West Africa]
19,830.0		RWW76	unknown	...	....
19,838.0	LSB	9KT366	Huban, Kuwait	FX	30.0	Tfc/Tokyo
19,845.0	425/50R	BEN26	Shanghai, PRC	FX	15.0	Tfc/Colombo
19,845.0	850/50R	9VF226	Singapore	FX	8.0	Tfc/London
19,845.0	LSB	RWZ74	Moscow, USSR	FX	15.0	R. Moscow Feeder
19,848.0	CW	Y7G59	New Delhi, India	FX	....	GDR EMBASSY
19,849.5	FAX	WFK39	New York, NY	FX	50.0	AP Nx
19,850.0	425/50R	BZC70	Wulumuqi, PRC	FX	25.0	XNA Nx EE 0530-0700 [Beamed to North Africa]
19,850.0	B8E	FTT85	Paris (St. Assise), France	FX	20.0	Telcom
19,850.0	850/50N	WFK39	New York, NY	FX	10.0	AP (also FAX & FSK) [Beamed to the Middle East]
19,851.0	170/75N	AOK	NS Rota, Spain	FX	....	USAF/USN
19,852.6	CW	WFI77	unknown	...	....
19,860.0	850/50N	LOR	Puerto Belgrano Naval, Argentina	FX	1.0	Argentinian Navy
19,860.0	B8E	FTT86	Paris (St. Assise), France	FX	20.0	Telcom
19,860.0	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
19,860.0	425/...e	....	unknown	FX	....
19,862.0	850/75N	LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentine Navy
19,865.0	425/50R	RKE20	Moscow, USSR	FX	15.0	TASS Nx EE 0500-1400 (Svc "C") [Beamed to Southeast Asia]
19,865.1	425/50N	YZJ4	Belgrade, Yugoslavia	FX	30.0	TANJUG Nx SS 1400-1600 Nx Serbo-Croat 1600-1700 [Beamed to Latin America]
19,868.0	CW	"8KL"	unknown	FX	....	Coded Tfc
19,870.0	425/75N	4UA	Rawalpindi, Pakistan	FX	10.0	UN
19,870.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
19,870.0	425/75N	4UT	Bangkok, Thailand	FX	1.0	UN
19,872.9	LSB	9KT37	Huban, Kuwait	FX	30.0	vm
19,874.0	SSB	...	Havana, Cuba	FX	....	vm
19,875.0	425/50R	RMJ9	Petrozavodsk, USSR	FX	50.0	TASS
[Beamed to Caribbean & South America]						
19,876.0	USB	....	unknown	...	....
19,877.5	425/75R	BXT11	unknown	FX	....	PRC EMBASSY
19,878.0	850/50R	9JA69	Lusaka, Zambia	FX	7.0	PANA Nx
19,878.0	425/75	BXT3	unknown	FX	....	PRC EMBASSY
19,879.5	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
19,879.7	375/75N	4US	Nicosia, Cyprus	FX	10.0	UNTSO
19,880.0	B9W	↑JBU69	Tokyo, Japan	FX	10.0	Telcom/Tfc
19,881.0	USB	....	several, worldwide	FX	....	USN/MARS
19,882.0	425/50R	CLP1	Havana, Cuba	FX	....	MINREX
19,885.0	USAB	CME315	Havana, Cuba	FX	2.0	GDR EMBASSY
19,885.0	*425/50R	Y7A79	Berlin (Nauen), GDR	FX	20.0	MFA/ADN
19,885.0	F7B	RMN21	Kiev, Ukrainian SSR	FX	25.0	
19,890.0	850/75Rc	....	unknown	...	....
19,895.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
19,900.0	B9W	↑HLA94	Seoul, South Korea	FX	10.0	Telcom/Manila
19,902.0	425/75N	BXT22	unknown	FX	....	PRC EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
19,905.0	425/50R	YTS7	Belgrade, Yugoslavia	FX	15.0	Tfc/India
19,908.0	475/...e	....	unknown	FX	....
19,912.0	B8E	....	Delano, CA	FX	40.0	VOA Feeder
19,912.5	425/75N	↑....	Dixon, CA	FX	40.0	USIA
19,914.8	425/75N	....	Tangier, Morocco	FX	15.0	USIA Nx
19,914.8	425/75N	....	Pororua Union, Philippines	FX	35.0	USIA Nx EE/FF 0800-1330
19,915.0	850/...e	FUJ	Noumea Naval, New Caledonia	FX	2.0	French Navy
19,918.3	170/75R	....	numerous, worldwide	FX	....	MARS
19,920.0	425/50R	BZK20	Wulumuqi, PRC	FX	40.0	XNA
19,920.0	425/75R	CME368	Havana, Cuba	FX	1.0	PRC EMBASSY
19,921.6	LSB	....	unknown	FX	....	VOA Feeder
19,922.5	425/75R	4U239	Geneva, Switzerland	FX	10.0	UN
19,924.0	425/50R	XVN95	Hanoi, Vietnam	FX	5.0	VNA
19,925.0	425/75R	OET29	Vienna, Austria	FX	10.0	Tfc/Jeddah
19,925.0	F1B	FXP84	Papeete Aeradio, Tahiti	AX	5.0	Tfc/Hanoi
19,934.0	850/75Re	IDQ	Rome Naval, Italy	FX	15.0	Italian Navy
19,937.0	USB	....	numerous, USA worldwide	FX	....	USAF/MARS (In-
			cludes: AGA1HA, Hanscom AFB, MA; AGA2LA, Langley AFB, VA; AGA3HQ, Scott AFB, IL; AGA4KE, Kelly AFB, TX; AGA5MC, McCord AFB, WA; AGA6TR, Travis AFB, CA; AGA8HI, Hickam AFB, HI; AIR, Pentagon, Washington, DC; etc.)			
19,938.5	425/...e	....	numerous, USA nationwide	FX	....	USAF
19,941.0	USB	58C94	Nicosia, Cyprus	FX	....	Telcom
19,941.3	USB	....	unknown	...	....	Telcom
19,945.0	850/50N	9VF227	Singapore	FX	5.0	
19,945.1	850/75N	KRR51	London, England	FX	1.0	USA EMBASSY
19,945.5	425/50N	CLP1	Havana, Cuba	FX	....	MINIREX
19,946.0	.....	....	SALYUT Satellites	EH	....	USSR/Telemetry
19,947.1	425/50R	Y3J2	Berlin (Nauen), GDR	FX	5.0	Tfc/Hanoi
19,947.5	425/...e	....	unknown	FX	....	Idling
19,949.9	USB	VPC19	Port Stanley, Falkland Islands	FX	7.5	Telcom/Tfc
19,950.0	CW	↑KNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
19,953.7	piccolo	....	unknown	FX	....
19,954.0	.....	....	COSMOS Satellites	EH	....	USSR/telemetry
19,954.0	.....	....	SALYUT Satellites	EH	....	USSR/telemetry
19,954.6	USB	....	numerous, worldwide	FX	....	USN/MARS
19,955.0	FAX	↑AFA	Washington (Andrews AFB, MD), DC	FX	3.0	USAF/Meteo
19,956.0	USB	NNNØNRS	USN MARS Diego Garcia			
19,957.4	CW	CLP1	Havana, Cuba	FX	....	MINIREX
19,959.5	425/50R	9HA	Luqa Aeradio, Malta	AX	....	[MSA] Tfc/Khartoum
19,960.0	CW	LCK	Oslo (Jeloej), Norway	FX	20.0	Nx 1100-1200 1700-1800
19,960.0	250/...e	....	unknown	FX	....
19,961.0	LSB	AFE83	Ascension	FX	45.0	USAF
19,965.0	*170/50N	SFL	Stockholm, Sweden	FX	0.4	Turkish EMBASSY
19,967.0	850/50R	VMA	Melbourne, Vic., Australia	FX	40.0	RAAF
19,970.0	CW	↑PBC5	Goeree Island Naval, Netherlands	FX	5.0	Dutch Navy
19,970.0	850/...e	....	unknown	FX	....
19,975.0	CW	CLP1	Havana, Cuba	FX	....	MINIREX
19,980.0	425/50R	EPJ2	Teheran, Iran	FX	30.0	IRNA Nx EE 0900-1000 [Beamed to Eastern Europe] IRNA Nx EE 1000-1100 [Beamed to Western Europe]
19,980.0	CW	GXB	unknown	FX	....	requesting QSY
19,982.0	F1B	....	unknown	...	....	PANA
19,984.0	LSB	AFE83	Ascension Island	FX	....	USAF/NASA
19,985.0	425/50R	CLP1	Havana, Cuba	FX	....	MINIREX
19,985.0	CW	R1W	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
19,986.0	750/50R	....	Lusaka	FX	....	PANA Nx FF
19,986.0	.....	....	unknown	...	....	PANA
19,987.4	425/50R	↑CNM90/1X	Rabat (Tangier), Morocco	FX	10.0	MAP
19,989.0	.....	....	SALYUT Satellites	EH	....	USSR/Telemetry

19,990.0 - 20,010.0 kHz — STANDARD FREQUENCY/TIME & SPACE RESEARCH

19,990.0	425/50R	CLP1	Havana, Cuba	FX	....	EMBASSY
19,991.9	*170/ARQ	....	unknown	FX	....	Idling

kHz	Mode	Call	Location	Service	kW	Remarks
19,992.0	FSK	....	"COSMOS 1537"	EH	....	USSR Satellite
19,993.0	CW	RIW	Khiva Naval, Uzbek SSR	FX	....	Russian Navy
19,994.0	.....	....	COSMOS Satellites	EH	....	USSR/Imaging
19,996.0	.....	....	CHICOM Satellites	EH	....	PRC/Telemetry
20,000.0	AM	WVW	Fort Collins, CO	SS	10.0	TIME SIGNALS
20,001.0	CW	†HGX21	Budapest, Hungary	FX	....	MFA
20,002.0	170/FEC	...	Cairo, Egypt	FX	....	MFA
20,002.8	425/75Rc	....	unknown	FX	....
20,004.0	425/50R	Y7F47	Baghdad, Iraq	FX	....	GDR EMBASSY
20,004.0	CW	†RID	Irkutsk, USSR	SS	5.0	TIME SIGNALS
20,005.0	....	....	COSMOS Satellites	EH	....	USSR/Recovery
20,006.8	170/ARQ	....	unknown	FX	....
20,008.0	CW	....	SALYUT Satellites	EH	....	USSR
20,009.0	....	....	Infrequent use by PRC Satellites	EH	....	Telemetry
20,010.0 - 21,000.0 — FIXED SERVICE (Worldwide)						
20,010.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA (This frequency is available to all Swedish EMBASSY stations listed on alternative frequencies of 14,971.5 & 18,808.0)
20,011.0	*425/50R	†KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY
20,011.0	CW	†"6R4"	unknown	FX	....
20,012.0	850/75R	†BXT15	unknown	FX	....	PRC EMBASSY
20,015.0	FAX	NMN	COMMSTA Portsmouth, VA	FX	10.0	Meteo
20,015.0	850/...e	....	numerous, worldwide	FX	....	USN
20,016.0	USB	AFA	Andrews AFB, MD	FX	....	USAF
20,017.0	525/50Ne	HGX21	Budapest, Hungary	FX	....	MFA
20,017.0	....	....	Infrequent use by PRC Satellites	EH	....
20,020.0	425/50N	TUR19	Abidjan, Ivory Coast	FX	0.8	Rumanian EMBASSY
20,020.1	425/50R	Y7A80	Berlin (Nauen), GDR	FX	20.0	ADN
20,022.5	425/75R	....	unknown	...	....	LETTERS
20,022.5	425/100R	....	unknown	FX	....	RIRIRI
20,022.8	CW	Y7D35	Conakry, Guinea	FX	1.0	GDR EMBASSY
20,025.0	850/...e	NPN	NAVCOMMSTA Agana, Guam	FX	10.0	[GCMP] USN
20,025.0	170/...e	....	numerous, worldwide	FX	....	USN
20,026.0	USB	....	several, USA nationwide	FX	....	FEMA Backup Net
			(Recently reported have been WGY907, Kansas City, MO & WGY908, Santa Rosa, CA)	[Alt: 19,970.0]		
20,030.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
				[Alt: 18,355.0 & 23,376.0]		
20,030.2	CW	....	unknown -- rpts 1279T	...	....
20,034.0	425/...e	....	unknown	FX	....
20,035.0	FlB	....	unknown	...	....	Sofia EMBASSY
20,036.0	850/50R	BZL30	Wulumuqi, PRC	FX	3.0	XNA
20,037.0	850/75N	....	unknown	FX	....	strong signal
20,037.0	850/...e	....	unknown	...	....
20,040.0	piccolo	....	unknown	FX	...	
20,042.0	USB	....	numerous. USA nationwide	FX	....	USAF (Includes: AFD3, Pentagon (Ft. Richie, MD), VA; AFD4, Langley AFB, VA; AFE7, MacDill AFB, FL; AFG40, Colorado Springs, CO; AFS, Offutt AFB, NE; etc.)
20,043.6	425/75N	....	unknown	FX	....	MFA
20,044.2	CW	"NWDJ"	unknown	FX	....	Coded Tfc
20,047.5	850/50N	ZKAK	Auckland Aeradio, New Zealand	AX	5.0	Tfc/Nandi
20,048.0	425/50R	XVB59	Hanoi, Vietnam	FX	5.0	Tfc/Beijing
20,049.5	425/50N	....	Cairo, Egypt	FX	....	MFA
20,050.0	850/50R	ASB5	Karachi, Pakistan	FX	5.0	Tfc
20,051.0	R7B	ZUD50	Olifantsfonten, RSA	FX	10.0	Tfc/Antananarivo
20,053.0	USB	AFA	Andrews AFB, MD	FX	....	USAF
20,053.0	LSB	"AF1"	AIR FORCE ONE (in flight)	MA	....	USAF VIP a/c
20,053.0	USB	"AF2"	AIR FORCE TWO (in flight)	MA	....	USAF VIP a/c
20,060.0	425/50R	Y4A	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Jakarta
20,060.0	425/50R	DFU26	Frankfurt (Bonames), GFR	FX	20.0	Tfc
20,060.0	LSB/AFSK	....	Greenville, NC	FX	50.0	USIA Nx EE/FF
				2330-0530		("African File")
20,060.0	850/75R	†BXT15	unknown	FX	....	PRC EMBASSY
20,064.0	525/75Rc	....	unknown, probably in USSR	FX	....
20,067.0	850/75N	PWZ33	Rio de Janeiro Naval, Brazil	FX	....	Brazilian Navy
20,067.9	CW	RIT	unknown, undoubtedly in USSR	FX	....	Russian Navy
20,068.0	425/50R	SOV206	Warsaw, Poland	FX	20.0	

kHz	Mode	Call	Location	Service	kW	Remarks
20,070.3	170/75R	4UZ50	Geneva, Switzerland	FX	20.0	[ADL] UN
			[Weekly news EE/FF summary on Thursdays--usually 1130]			
20,072.5	425/50R	YOU20	Bucharest (S. Petru), Rumania	FX	5.0	Tfc/Beijing
20,075.0	USB	IRS20	Rome (Torrenova), Italy	FX	5.0	Telcom/ME
20,075.0	425/50R	IRS20	" " "	FX	5.0	IINA
			[Beamed to the Middle East]			
20,075.0	USB	IED26	Beirut CIF to Rome	...	....
20,077.1	325/50R	Y4A2	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Pyeongyang
20,078.3	425/50N	FTU8	Paris (Le Vernet), France	FX	20.0	DIPLO Nx FF/SS
						0600-1400
20,080.0	350/50N	FTU8/H1	Paris (Le Vernet), France	FX	20.0	AFP Nx EE 0815-1300
			("EXOR Service") [Beamed to the Far East]			
20,081.5	350/50N	FTU8/H3	Paris (Le Vernet), France	FX	20.0	AFP Nx AA 1200-1500
20,085.2	325/50N	ISX20	Rome, Italy	FX	10.0	ANSA Nx EE 0800-0900
						[Beamed to East Africa]
						Nx FF 0900-1000
						Nx EE 1100-1200
						[Beamed to East Africa]
						Nx EE 1500-1600
						Nx FF 1600-1700
			(No broadcasts on Sundays) [Beamed to West Africa]			
20,088.0	CW	UHFY	unknown, says RMNK DE UHFY	FX	....	Net
20,089.0	USB	....	unknown	...	....
20,091.0	425/50N	"YBU"	unknown, very probably in Cuba	FX	....
20,092.0	425/....e	....	unknown	FX	....
20,095.0	.....	†GLK40	London (Oxford), England	FX	75.0	AP
20,098.8	425/50R	ASP32	Islamabad, Pakistan	FX	....	MFA
20,100.0	USB	....	several throughout South Atlantic	FX	....	USN Net (In-
			cludes "SKY", Rota NAS, Spain; "DEW", unknown; "SCH", unknown; etc.)			
20,101.0	CW	PCW35	Harris Camp, Lebanon	FX	....	Dutch UN Force
20,101.8	170/ARQ	....	unknown	FX	....
20,103.0	CW	....	Paris, France	FX	....	French Military
20,105.0	425/50N	HSF212	Bangkok, Thailand	FX	....	MFA
20,108.0	850/50N	ZD263	Harare, Zimbabwe	FX	1.0	Tfc/Pretoria
20,109.3	350/50N	FYU/B	Paris (St. Assise), France	FX	20.0	AFP
20,110.8	350/50N	FYU/A	Paris (St. Assise), France	FX	35.0	AFP
			[Beamed to Central Africa]			
20,114.3	170/....e	....	unknown	FX	....	Idling
20,114.6	425/50N	FJY2	Port-aux-Francais, Kerguelen Is.	FX	1.0	
20,115.3	LSB	FJY2	Port-aux-Francais, Kerguelen Is.	FX	....
20,120.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
20,120.0	F7B	RBB55	Magadan, USSR	FX	20.0	Tfc
20,120.0	USB	....	unknown	FX	....	Tfc/SS
20,121.3	CW	....	unknown	FX	....	Tfc/SS
20,124.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
20,124.0	USB	OHU21	Paris, France	FX	1.0	Finnish EMBASSY
20,124.5	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
20,125.0	B8E	....	Greenville, NC	FX	40.0	VOA Feeder
20,129.0	CW	....	unknown	FX	....	Coded Tfc
20,130.0	LSB	†TKY1	Cotonou, Benin	FX	....	Telcom/Algiers
20,130.0	AM	....	unknown	FX	....	NUMBERS/RR/YL
20,130.0	425/75R	CME331	Havana, Cuba	FX	1.0	Czech EMBASSY
20,131.0	850/50N	D4A72	Sao Vicente, Cape Verde	FX	8.0	Tfc/Lisbon
20,133.0	CW	....	unknown	...	....
20,135.0	B8E	SUV66	Cairo, Egypt	FX	10.0	Telcom/Rome
20,138.5	Piccolo	....	unknown	FX	....	British EMBASSY
20,138.6	850/75N	"CMB"	unknown	FX	....	NATO
20,140.0	425/50R	Y4A4	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Dakar
20,140.0	425/50R	CNM91	Rabat (Tangier), Morocco	FX	10.0	MAP Nx FF 1000-1130
						[Beamed to Central America]
						Nx EE 1200-1400
						[Beamed to South America]
						SS Nx 1800-2000
						[Beamed to the Americas]
20,140.0	425/50R	CNM91	Rabat (Tangier), Morocco	FX	10.0	MAP Nx SS 1800-2000
20,140.0	Piccolo	....	unknown	FX	....	British EMBASSY
20,142.2	170/ARQ	....	unknown	FX	....
20,142.5	850/50R	AXI	"Air Force Drawin", NT, Australia	FX	....	RAAF
20,144.0	425/....e	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
20,144.0	piccolo	....	unknown	...	....	British EMBASSY
20,144.8	425/50N	↑ODS0	Beirut, Lebanon	FX	5.0	Tfc/Paris
20,145.0	F1B	↑ODJ64	Beirut, Lebanon	FX	....	REUTERS
20,148.0	CW	7RQ20	El Djazani, Algeria	FX	....	MFA
20,148.0	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,148.0	850/75R	EBA	Madrid Radionaval, Spain	FX	....	[RETJ] Spanish Navy
20,149.0	Piccolo	....	unknown	FX	....	British EMBASSY
20,150.0	850/50N	↑XDD276	Mexico City, DF, Mexico	FX	20.0	Tfc/Paris
20,150.0	425/75N	HVS	Vatican City, Vatican	FX	80.0	Tfc/New York
20,151.0	700/50N	↑PWZ33	Rio de Janeiro Naval, Brazil	FX	....	Brazilian Navy
20,152.0	CW	....	unknown, probably in Cuba	FX	....	Coded Tfc
20,154.7	750/50R	3VA34	Tunis, Tunisia	FX	....	TAP Nx FF 1500-1630 [Beamed to Northeastern Africa]
20,155.0	325/50N	9KT372	Huban, Kuwait	FX	30.0	KUNA Nx EE 1000-1300 1400-1700 [Beamed to North Africa]
20,155.0	USB	HEF77	Berne Radio, Switzerland	FA	....
20,155.0	.../50	....	Aden, Yemen PDR (South)	FX	....	Cuban EMBASSY
20,156.1	850/75Rc	....	unknown, probably in USSR	FX	...	
20,157.7	425/75R	5KM	Bogota Naval, Colombia	FX	1.0	Colombian Navy
20,159.0	325/50N	9KT372	Huban, Kuwait	FX	30.0	KUNA Nx AA 0700-1300 1400-1700 [Beamed to North Africa]
20,160.0	USB	CEC208	Paine, Chile	FX	3.0	Tfc/CEC224
20,160.0	USB	CEC224	Arica, Chile	FX	1.0	Tfc/CEC208
20,160.0	F7B	RHK28	Kuibychev, USSR	FX	25.0	
20,160.0	850/...e	....	unknown	FX	....
20,162.0	USB	ZEN95	Cape D'Aguilar, Hong Kong	FX	10.0	Telcom
20,165.0	425/50R	CLP33	Maputo, Mozambique	FX	....	Cuban EMBASSY
20,165.0	425/50R	SOV216	Warsaw, Poland	FX	20.0	
20,168.0	625/50R	....	unknown	...	....
20,170.0	*425/50N	Y7A81	Berlin (Nauen), GDR	FX	20.0	ADN/EMBASSY
20,170.0	CW	Z2F13	Harare, Zimbabwe	FX	1.0	GDR EMBASSY
20,176.0	425/50R	CEM391	Havana, Cuba	FX	1.0	Finnish EMBASSY
20,176.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
20,176.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
20,176.2	425/...e	....	unknown	FX	....	Idling
20,178.0	850/...e	....	unknown	FX	....
20,180.2	170/75Rc	....	unknown	FX	....
20,181.0	Moore	CLN640	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
20,182.0	F7B	BCA37	Shanghai, PRC	FX	15.0	Tfc/EUR
20,185.6	USB	↑IRS41	Rome (Torrenova), Italy	FX	30.0	Telcom
20,185.8	USB	....	numerous, Atlantic Ocean area	FX	....	USAF/NASA
20,186.9	375/50N	IRS41	Rome (Torrenova), Italy	FX	30.0	IINA Nx AA 1200-1400 [Beamed to East Africa & the Middle East]
20,186.9		IRS41	unknown	...	....
20,187.0	RTTY	....	Iina	...	....	AA Nx 1200-1600
20,188.6	USB	....	several, Atlantic Ocean area	FX	....	USAF/MARS
20,189.0	CW	7RQ20	Algiers, Algeria	FX	....	MFA
20,190.0	850/50R	ASB6	Karachi, Pakistan	FX	5.0	Tfc
20,190.0	425/...e	AFA	Andrews AFB, MD	FX	2.0	USAF
20,191.0	LSB	....	numerous, Atlantic Ocean Area (Includes: AFE70, "ONE" [aka "CAPE LEADER"], Patrick AFB, FL; "THREE", Grand Bahamas Island; "SEVEN" Grand Turk Island; "TWELVE", Ascension Island; "NINETY-NINE", Antigua; etc.)	FX	....	USAF/NASA
20,191.0	LSB	"RYER"	unknown (to Cape Radio)	...	....
20,192.0	F1B	....	Pyongyang, PDR Korea (North)	FX	....	MFA
20,192.0	USB	....	unknown	FX	....	Telcom/MARS
20,195.6	USB	3CA67	Banapa, Equatorial Guinea	FX	4.0	Telcom/Madrid
20,198.0	LSB	....	numerous, Atlantic Ocean area (Includes same stations as 20,191.0)	FX	....	USAF/NASA
20,200.0	850/50N	PLF4	Jakarta, Indonesia	FX	10.0	Tfc/Shanghai
20,202.0	USB	3CA67	Banapa, Equatorial Guinea	FX	4.0	Telcom/Madrid
20,204.1	425/50R	YZJ	Belgrade, Yugoslavia	FX	30.0	TANJUG Nx EE 1200-1300 [Beamed to Africa]
20,205.0	170/75R	↑....	Maputo, Mozambique	FX	....	Polish EMBASSY
20,208.5	LSB	3CA67	Banapa, Equatorial Guinea	FX	4.0	Telcom/Madrid
20,210.0	F7B	RGA58	Khabarovsk, USSR	FX	30.0	
20,212.1	170/ARQ	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
20,215.0	B9W	VDD	Debert, NS, Canada	FX	10.0	Canadian Forces
20,215.0	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,220.0	USB	5VH402	Tome, Togo	FX	20.0	Telcom/ Paris
20,224.0	LSB	ZEN96	Cape D'Aguilar, Hong Kong	FX	8.0	Telcom
20,225.0	CW	NRK	NAVCOMMSTA Keflavik, Iceland	FC	....	USN
20,225.0	CW	NAM	NAVCOMMSTA Norfolk, VA	FC	20.0	[LCMP-2] USN/ NUKO(NOAA reports wx broadcasts at 1230 & 1900)Seasonal ice warnings at 1900 & 2300
20,225.0	850/...	....	numerous, USA worldwide	FX	....	USN
20,234.6	USB	....	unknown	FX	....	Telcom
20,235.0	*170/50N	SFL	Stockholm, Sweden	FX	0.4	Turkist EMBASSY
20,240.5	850/50R	....	unknown, possible EMB or Pyongyang	FX	....
20,242.0	425/...e	....	unknown	FX	....	Idling
20,244.0	USB	STA21	Nouadhibou, Mauritania	FX	6.0	Telcom/Paris
20,245.0	CW	SQL49	Islamabad, Pakistan	FX	1.0	Polish EMBASSY
20,245.0	850/50N	9VF228	Singapore	FX	5.0	ANSA Nx EE 0700-0745 (Not on Sundays) {Beamed to Hong Kong & Japan}
20,247.1	LSB	....	unknown	FX	....	MFA
20,247.5	425/75R	BXT58	unknown	FX	....	PRC EMBASSY
20,250.0	850/...e	AOK	NS Rota, Spain	FX	40.0	USAF/USN
20,255.0	850/75e	....	unknown	FX	....
20,262.0	425/50R	CME390	Havana, Cuba	FX	1.0	Finnish EMBASSY
20,262.0	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
20,262.0	USB	OHU20	Helsinki, Finland	FX	1.0	MFA
20,262.0	USB	OHU36	Baghdad, Iraq	FX	1.0	Finnish EMBASSY
20,262.0	425/75Rc	↑....	unknown, undoubtedly in USSR	FX	....	APN
20,262.5	USB	....	Mediterranean LORAN NET	FX	....	USCG (Includes: NCI, Sella Marina, Spain & ACB50, Estartit, Spain--days)
20,263.5	425/50R	OHU20	Helsinki, Finland	FX	1.0	MFA
20,263.5	425/50R	OHU32	Jeddah, Saudi Arabia	FX	1.0	Finnish EMBASSY
20,267.5	425/...e	....	unknown	FX	....	Idling
20,270.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
20,275.0	850/50N	9VC96	Singapore	FX	15.0	ANSA
20,278.5	LSB	"MK"	Ascension Island	FX	....	USAF
20,280.0	425/50R	6MK72	Seoul, South Korea	FX	5.0	MFA
20,280.0	425/75R	....	Moscow, USSR	FX	....	APN Nx FF
20,282.5	850/50N	↑WKC30	Slidell, LA	FX	3.0	Tfc/Havana
20,285.0	850/50R	MSS	Belize City, Belize	FX	....	DCN
20,288.0	USB	....	Budapest, Hungary	FX	....	Telcom/Moscow
20,288.0	425/50R	SOV228	Warsaw, Poland	FX	20.0	
20,289.9	B9W	MKD	Akrotiri, Cyprus	FX	30.0	DCN
20,290.0	425/50R	RCC72	Alma Ata, USSR	FX	50.0	Tfc/Hanoi
20,290.0	F7B	RCC72	Moscow, USSR	FX	20.0	
20,295.0	Moore	CLN641	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
20,295.6	170/50*	MKG	London (Stanbridge), England	FX	5.0	DCN
20,300.0	850/...e	NPN	NAVCOMMSTA Agana, Cuba	FX	40.0	USN
20,300.0	850/...e	....	unknown	FX	....	USN
20,305.0	425/50R	BBM20	Shanghai, PRC	FX	15.0	Tfc/EUR
20,310.0	F7B	RKE21	Moscow, USSR	FX	15.0	
20,311.8	350/50N	FTU31B/G	Paris (St. Assise), France	FX	20.0	AFP Nx EE 0700-1700 ("Africa Beams Service") [Beamed to Africa]
20,313.2	350/50N	FTU31B/F	Paris (St. Assise), France	FX	20.0	AFP Nx FF 0700-1700 ("Afrigasgar Service") [Beamed to Africa]
20,313.5	USB	....	Doha, Qatar	FX	10.0	Telcom/Madrid
20,315.0	425/50N	FPQ8	Paris (St. Assise), France	FX	20.0	DIPLO Nx FF/SS
20,317.2	425/50N	FZG3	Fort de France, Martinique	FX	15.0	AFP Nx PP 1000-0600 [Beamed to South America]
20,317.2	425/50N	FPQ8/H1	Paris (St. Assise), France	FX	20.0	DIPLO Nx FF/SS
20,318.6	425/50N	FTU31A/H3	Paris (St. Assise), France	FX	20.0	AFP Nx SS 1200-2100 [Beamed to South America]
20,318.6	425/50N	FZG3	Fort de France, Martinique	FX	15.0	AFP Nx SS 1000-2100
20,318.6	425/50N	WEY35	unknown	...	....
20,321.0	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
20,321.5	170/ARQ	....	Rome, Italy	FX	....	MFA
20,325.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
20,325.5	170/50R	HSD38	Bangkok Aeradio, Thailand	AX	2.5	Tfc/Dhaka
20,327.6	170/ARQ	....	Amman, Jordan	FX	....	Italian EMBASSY
20,328.0	525/50R	6VK221	Dakar, Senegal	FX	20.0	PANA Nx
20,329.5	900/50N	....	unknown, probably in Argentina	FX	....	Commercial Tfc
20,331.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN

kHz	Mode	Call	Location	Service	kW	Remarks
20,332.0	USB	....	unknown	FX	....	Telcom/FF
20,337.8	USB	D6B403	Moroni, Republic of the Comores	FX	6.0	Telcom/Paris
20,338.0	850/....e	FUB	Paris (Houilles) Naval, France	FX	2.0	French Navy
20,340.0	LSB	D6B403	Moroni, Republic of the Comores	FX	6.0	Telcom/Paris
20,344.4	LSB	TYK3	Cotonou, Benin	FX	20.0	Telcom/Paris
20,345.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
20,348.0	425/50N	ONN25	Brussels, Belgium	FX	2.5	Zaire EMBASSY
20,348.5	USB	↑KUR50	Agana, Guam	FX	1.0	
20,348.5	USB	↑KOG55	Las Vegas, NV	FX	1.0	
20,348.5	USB	↑KUR20	Honolulu, HI	FX	1.0	
20,350.0	F1B	↑KUR50	Agana, Guam	FX	1.0	
20,350.0	F1B	↑KUR20	Honolulu, HI	FX	1.0	
20,350.0	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	3.0	USN
20,350.0	F1B	↑KOG55	Las Vegas, NV	FX	1.0	
20,352.0	425/50R	BCI29	Shanghai, PRC	FX	15.0	Tfc/Jakarta
20,353.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
20,355.0	850/75Re	ZL062	Waiouru Naval, New Zealand	FX	5.0	RNZ Navy
20,356.6	850/75R	↑"CMB"	unknown	FX	....	NATO
20,357.0	425/....e	....	unknown	FX	....	Idling
20,357.0	425/45R	....	unknown	FX	....	Idling/Tfc
20,364.0	B8E	5VB403	Lome, Togo	FX	20.0	Telcom/Paris
20,364.1	425/75Rc	....	unknown	FX	....
20,365.0	850/75Re	GYU	Gibraltar Naval	FX	10.0	British Navy
20,365.0	125/....e	....	unknown	FX	....
20,367.5	850/....e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
20,370.0	850/50N	9VF229	Singapore	FX	5.0	
20,372.0	425/50R	↑IRS23	Rome (Torrenova), Italy	FX	10.0	
20,375.0	*170/75R	ETT37	Addis Ababa, Ethiopia	FX	1.0	Polish EMBASSY
20,375.0	USB	....	numerous, worldwide	FX	....	USN/MARS
20,375.0	850/....e	....	several, Pacific Ocean area	FX	....	USN
20,380.0	425/75N	....	unknown	FX	....	Tfc/AA
20,386.6	350/50R	GPN40	London (Oxford), England	FX	75.0	REUTERS Nx EE/FF
			1100-1800 (London closing market prices given usually at 1705)			[Beamed to West Africa]
20,392.0	425/75Rc	....	unknown, probably in the USSR	FX	....
20,395.0	675/50R	....	unknown, probably Senegal	FX	....	PANA Nx EE/FF
20,396.0	425/50R	....	Jeddah, Saudi Arabia	FX	....	Indonesian EMBASSY
20,398.5	425/50R	....	Jakarta, Indonesia	FX	....	MFA
20,399.0	425/50Rc	....	unknown, probably in the USSR	FX	....
20,400.0	B9W	AGB	Johnston Atoll	FX	2.5	USAF
20,400.0	CW	"UAQ"	unknown	FX	....	Coded Tfc
20,401.6	170/ARQ	↑....	Cairo, Egypt	FX	....	MFA
20,402.5	325/....e	....	unknown	FX	....	Idling
20,403.1	USB	....	Lubumbashi, Zaire	FX	....
20,403.5	LSB	D6B404	Moroni, Republic of the Comores	FX	6.0	Telcom/Paris
20,404.0	425/50R	SUK	unknown	FX	....
20,405.0	B8E	BAZ37	Beijing, PRC	FX	10.0	Telcom/Warsaw
20,405.0	425/50R	....	Jeddah, Saudi Arabia	FX	....	Indonesian EMBASSY
20,410.0	425/50R	BBA24	Shanghai, PRC	FX	15.0	Tfc/India
20,410.0	425/50Rc	↑ULV	Moscow, USSR	FX	25.0	
20,410.0	USB	9JA26	Lusaka, Zambia	FX	....	Telcom
20,412.5	850/....e	....	unknown	FX	....
20,415.5	CW	CLP1	Havana, Cuba	FX	....	MINREX
20,416.1	USB	DFY	Tel Aviv, Israel	FX	0.1	GFR EMBASSY
20,417.5	850/50N	DFY	Tel Aviv, Israel	FX	0.1	GFR EMBASSY
20,419.5	425/50R	Y2V20B	Berlin (Nauen), GDR	FX	10.0	ADN Nx EE/FF
						(Not on Sundays) 0600-0750
						Nx EE/FF 1000-1150
						1400-1550
						[Beamed to Africa & the Middle East]
20,420.0	425/50N	Y2V20B	Berlin (Nauen), GDR	FX	10.0	ADN Nx EE 0500-0550
						0800-0950
						11200-1350
						(Not on Sundays) [Beamed to Far East & Southeast Asia]
20,420.0	USB	AFD4	Langley AFB, VA	FX	1.0	USAF
20,420.0		AFG40	Colorado Springs, CO	FX	1.0	"
20,420.0		AFS	Offutt AFB, NE	FX	1.0	"
20,420.0	*425/100R	70B469	Aden, PDR Yemen (South)	FX	1.0	PRC EMBASSY
20,420.5	425/50N	Y2V20A	Berlin (Nauen), GDR	FX	10.0	ADN Nx EE 0600-0750
						(Not on Sundays)

kHz	Mode	Call	Location	Service	kW	Remarks
						(Daily) Nx EE 1000-1150 1400-1550
						[Beamed to Africa & Middle East]
20,422.5	850/50N	DFY	Tel Aviv, Israel	FX	0.1	GFR EMBASSY
20,424.0	425/50R	BAM7Ø	Wulumuqi, PRC	FX	15.0	XNA
						[Beamed to Southeast Asia]
20,430.0	425/50N	IRS24	Rome (Torrenova), Italy	FX	10.0	ANSA Nx FF 1800-1900 Nx EE 1900-2000 Nx FF 2000-2100
						[Beamed to Southeast Africa]
20,430.5	piccolo	....	unknown	FX	....
20,434.0	CW	CLP1	Havana, Cuba	FX	....	MINREX
20,434.0	475/75Rc	....	unknown	FX	....
20,445.0	F7B	RDK27	Tbilisi, Georgian SSR	FX	50.0	Tfc/Havana
20,450.0	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,453.5	USB	....	Doha, Qatar	FX	10.0	Telcom/Paris
20,455.0	LSB	....	Daventry, England	FX	30.0	BBC Feeder
20,455.5	CW	†"E"	unknown	RC	....	Beacon
20,458.0	CW	ETT46	Addis Ababa, Ethiopia	FX	5.0	MFA
20,460.0	F7B	RTC29	Novosibirsk, USSR	FX	20.0	
20,461.2	CW	....	unknown	FX	....	Coded Tfc
20,463.0	USB	†....	Rio de Janeiro, Brazil	FX	0.5	USA EMBASSY
20,471.5	850/75R	CXR	Montevideo Naval, Uruguay	FX	....	Uruguayan Navy
20,473.0	425/50R	SQL49	New Delhi, India	FX	....	Polish EMBASSY
20,475.0	CW	GYU	Gibraltar Naval	FX	....	British Navy
20,475.0	LSB	AFE7Ø	"CAPE LEADER", Patrick AFB, FL	FX	....	USAF/NASA
20,475.1	170/75Rc	....	unknown, probably in USSR	FX	....
20,480.0	LSB	OEK	Vienna, Austria	FX	1.0	MFA
20,480.0	USB	KGA32	Honolulu, HI	FX	1.0	Net Control
			(Also includes: KCC97, Diamond Head, HI; KCD72, Agana, Guam & KDM48, Pago Pago, American Samoa)			
20,480.0	LSB	ZEN97	Cape D'Aguilar, Hong Kong	FX	8.0	Telcom
20,480.0	425/75Rc	....	unknown	FX	....
20,482.5	425/75N	....	Poros Union, Philippines	FX	35.0	VOA Nx EE 0000-0215
						("East Asia/Pacific File") 0800-1400
20,488.5	CW	....	unknown	....	....
20,490.1	850/50Rc	....	unknown, probably in USSR	FX	....
20,493.0	425/75R	BXT1	unknown	FX	....	PRC EMBASSY
20,494.0	170/75R	OEK	Vienna, Austria	FX	10.0	MFA
20,494.0	170/75R	OEK35	New Delhi, India	FX	1.0	Austrian EMBASSY
20,495.1	425/50R	SOV249	Warsaw, Poland	FX	20.0	PAP Nx EE 0600-0630 Nx EE 1600-1630
						[Primarily for India]
20,495.4	LSB	OEK	Vienna, Austria	FX	1.0	MFA
20,495.4	LSB	OEK35	New Delhi, India	FX	1.0	Austrian EMBASSY
20,500.0	425/50N	Y4A3	Berlin (Nauen), GDR	FX	20.0	DP/Tfc/Havana
20,500.0	B8E	RWG	Moscow, USSR	FX	15.0	R. Moscow Feeder
20,500.0	425/50R	RWG	" "	FX	15.0	APN Nx PP
20,500.0	425/75Rc	RWG	" "	FX	15.0	APN Nx RR
20,500.0	425/75R	RWG	" "	FX	15.0	APN Nx SS
20,505.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,505.0	375/50N	9KT375	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300 1600-1800
						[Beamed to Central Africa]
20,505.0	CW	SOV25Ø	Warsaw, Poland	FX	20.0	PAP Nx Polish
						1400-1500 (To ships at sea)
20,505.0	170/FEC	SOV25Ø	Warsaw, Poland	FX	20.0	PAP Nx Polish
						1200-1300 (To ships at sea)
20,505.0	425/50R	SOV25Ø	Warsaw, Poland	FX	20.0	Tfc/Havana
20,506.0	CW	Y7G59	New Delhi, India	FX	1.0	GDR EMBASSY
20,509.0	375/50N	9KT375	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100 1400-1700
						[Beamed to Central Africa]
20,510.0	CW	UJY2	Kaliningrad, USSR	FX	5.0	Tfc/Havana
20,512.0	*425/50R	Y7G59	New Delhi, India	FX	2.0	GDR EMBASSY
20,518.7	950/75R	RCF	Moscow, USSR	FX	....
20,525.0	850/...e	....	numerous, worldwide	FX	....	USN
20,532.0	850/75R	HDN	Quito Naval, Ecuador	FX	....	Ecuadorian Navy
20,535.0	USB	D2J35	Luanda, Angola	FX	10.0	
20,535.0	B8E	ATJ71	Bombay (Kirkee), India	FX	20.0	Telcom

kHz	Mode	Call	Location	Service	kW	Remarks
20,535.0	375/50N	†IRS25	Rome (Torrenova), Italy	FX	30.0	
20,535.0	USB	....	numerous, worldwide	FX	....	USN/MARS
20,540.0	CW	†GYU	Gibraltar Naval	FX	....	British Navy
20,540.0	B9W	AGA	Hickam AFB, HI	FX	10.0	USAF
20,545.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,551.0	850/50R	ATR71	Madras, India	FX	5.0	Tfc/Jakarta
20,554.1	425/...e	....	unknown	FX	....	Idling
20,558.0	USB	FTU56	Paris (St. Assise), France	FX	20.0	Telcom
20,560.0	425/50R	....	Tripoli, Libya	FX	....	JANA Nx EE 1615-1715
[Beamed to North Africa & South America]						
20,563.4	LSB	KB2XLP	Pasadena, CA	FX	....
20,563.4	LSB	....	unknown	...	....	Telcom/EE
20,568.0	CW	†KRH50	London, England	FX	1.0	USA EMBASSY
20,569.0	Piccolo	....	unknown	FX	....	British EMBASSY
20,570.0	B8E	EHY23	Madrid (Pozuelo del Rey), Spain	FX	10.0	Telcom
20,570.0	850/...e	....	numerous, USA nationwide	FX	....	USN
20,575.0	USB	....	"Observatory" (Paulista), Brazil	FX	1.0	Tfc/Cambridge
20,575.0	F7B	RHK25	Kuibychev, USSR	FX	25.0	
20,576.5	425/50N	....	"Observatory" (Paulista), Brazil	FX	1.0	Tfc/USA
20,580.0	USB	....	numerous, worldwide	FX	....	USN/MARS
20,585.0	425/50R	RCC73	Moscow, USSR	FX	20.0	TASS Nx FF/PP
0600-1530 [Non-directional]						
				FX	20.0	TASS Nx FF 0600-1545
[Beamed to West Africa]						
20,585.0		RCC73	unknown	...	....
20,586.0	USB	VTG46	probably in Sudan	FX	....	Canadian Forces
20,586.4	USB	....	unknown	FX	....	Net/EE
20,595.0	425/50N	†ATL71	Calcutta, India	FX	25.0	PTI
20,598.5	USB	VLB	Canberra, ACT, Australia	FX	1.0	MFA/Beijing
20,600.0	LSB	PU24	Brasilia, Brazil	FX	1.0	Governmental
[Bulletins to La Paz, Quito, Asuncion, Lima, Montevideo, Washington & Caracas]						
20,600.0	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
20,600.0	LSB	AFH3	Albrook AFS, Panama	FX	3.0	USAF
20,600.0	425/75R	....	Moscow, USSR	FX	15.0	APN Nx EE 0700-1100
20,600.0	425/75R	....	" "	FX	....	APN Nx EE 0915
20,601.0	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN
20,602.5	USB	†KUR20	Honolulu, HI	FX	1.0	
20,602.5	USB	†KUR50	Agana, Guam	FX	1.0	
20,604.0	....	†KUR50	Agana, Guam	FX	1.0	
20,604.0	....	†KUR20	Honolulu, HI	FX	1.0	
20,604.5	475/50Ne	....	unknown	FX	....
20,605.0	LSB	OCK25	Arequipa, Peru	FX	....	Smithsonian
20,605.0	B8E	....	Moscow, USSR	FX	....	R. Moscow Feeder
20,605.0	B8E	70B98	Aden, PDR Yemen (South)	FX	3.5	Telcom/London
20,606.9	170/75N	....	unknown	FX	....	Meteo
20,608.5	170/75N	OCK25	Arequipa, Peru	FX	....	Smithsonian
20,609.2	LSB/F1B	....	unknown	FX	....	MFA
20,610.0	850/50N	†....	"Observatory" (Paulista), Brazil	FX	1.0	Tfc/Cambridge
20,610.0	850/ASCII	OCK25	Observatory, Arequipa, Peru	FX	....	Tfc/Cambridge
20,610.0	850/ASCII	KCW21	Cambridge, MA	FX	1.0	Tfc
20,610.8	LSB	....	unknown	FX	....	Net/PP
20,611.0	LSB	EHY201	Madrid (Pozuelo del Rey), Spain	FX	10.0	Telcom
20,614.8	425/50R	RCC75	Moscow, USSR	FX	15.0	TASS Nx AA 0600-0800
Nx FF 0600-0800						
(Neither broadcast on Sundays)						
Nx AA 0815-1430						
Nx FF 0815-1430						
(Neither broadcast on Sundays) [Beamed to the Middle East]						
20,614.8		RCC75	unknown	FX	....	TASS Nx EE 0600-1515
20,615.0	B9W	....	several, Pacific Ocean area	FX	....	USAF
20,615.6	LSB	FTU61	Paris (St. Assise), France	FX	20.0	Telcom
20,619.0	*425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
20,622.4	425/75R	5KM	Bogota Naval, Colombia	FX	1.0	Colombian Navy
20,623.0	USB	....	numerous, worldwide	FX	....	USN/MARS (In-
cluding NNN0NRS, Diego Garcia)						
20,624.5	CW	ETK47	Addis Ababa, Ethiopia	FX	10.0	Nx 1100-1200
20,625.0	850/...e	....	numerous, Pacific Ocean area	FX	....	USN/MARS
20,630.0	CW	LHK	Oslo (Jeloe), Norway	FX	....	Polish EMBASSY
20,631.0	USB	....	numerous, worldwide	FX/MA	....	USAF (Includes:

kHz	Mode	Call	Location	Service	kW	Remarks
AFE, Robins, AFB, GA; AFF33, Carswell AFB, TX; AFG8, Malmstrom AFB, MT; AFH30, Travis AFB, CA; AFL, Loring AFB, ME; AGA, Hickam AFB, HI; AIE, Andersen AFB, Guam; AJE, Mildenhall AB (Croughton), England; AJG9, Incirlik AB, Turkey; AJO, Adana AB, Turkey; XPT, Thule AB, Greenland; etc.) SKY KING, REPUDIATE						
20,632.1	850/...e	....	several, USA nationwide	FX	....	USAF
20,640.0	USB	FTU64	Paris (St. Assise), France	FX	20.0	Telcom
20,640.0	CW	70B450	Aden, PDR Yemen (South)	FX	0.2	Italian EMBASSY
20,643.0	LSB	FTU65	Paris (St. Assise), France	FX	20.0	Telcom/Chad
20,645.0	850/...e	NSP	NAVCOMMSTA Manila, Philippines	FX	15.0	USN
20,650.0	B8E	↑....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,650.0	675/50R	NAU	NAVCOMMSTA San Juan (Ponce), PR	FX	5.0	USN
20,650.0	425/75Ne	CUZ201	Gloria, Portugal	FX	3.0	RFE/RF Talkback
20,650.0	F7B	RML50	Petropavlovsk, USSR	FX	20.0	
20,650.2	850/50R	NAU	NAVCOMMSTA San Juan, Puerto Rico	...	....
20,652.8	B8E	3XF24	Conakry, Guinea	FX	6.0	Telcom/Paris
20,654.2	CW	....	unknown	FX	....	Coded Tfc
20,663.5	.....	↑GCB40	London (Ongar), England	FX	30.0	Nx
[Beamed to Middle East]						
20,670.0	B8E	EHY22	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom/Nouadhibou
20,675.0	B8E	GLF40	London (Rugby), England	FX	30.0	Telcom/Accra
20,675.2	USB	....	unknown	FX	....	NUMBERS/GG/YL
20,679.0	F7B	RWZ75	Moscow, USSR	FX	20.0	
20,680.0	USB	AJG9	Incirlik AB, Turkey	FX	3.0	USAF
20,681.0	425/75R	↑....	Beijing, PRC	FX	....	Polish EMBASSY
20,682.5	425/75R	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
20,682.5	USB	OMZ30	Prague, Czechoslovakia	FX	4.0	Libyan EMBASSY
20,682.5	425/75R	OMZ30	" "	FX	1.0	" "
20,688.0	CW	D3M74	Luanda, Angola	FX	....	USSR Advisers
20,688.1	425/75e	....	unknown	FX	....
20,689.8	850/...e	....	unknown	FX	....	Idling
20,690.0	850/...e	....	unknown	FX	....
20,692.0	*850/75R	YWM3	Maracaibo Naval, Venezuela	FX	....	Venezuelan Navy
20,695.0	B8E	CUA89	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
20,695.0	425/50R	6VK421	Dakar, Senegal	FX	2.0	[LES] Tfc/Beirut
20,699.0	850/50R	↑LOL	Buenos Aires Naval, Argentina	FX	1.0	Argentinian Navy
20,700.0	CW	CLP7	Brazzaville, Congo	FX	....	Cuban EMBASSY
20,702.5	425/75R	BXT15	unknown	FX	....	PRC EMBASSY
20,707.6	425/75N	....	Ulan Bator, Mongolia	FX	....	Czech EMBASSY
20,710.0	B8E	↑....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,712.0	USB	....	Beirut, Lebanon	FX	....	Fiji UNFIL
20,714.0	425/50Rc	....	unknown, probably in USSR	FX	....
20,715.0	USB	CME410	Havana, Cuba	FX	1.0	Libyan EMBASSY
20,715.0	500/75N	CLP55	Tripoli, Libya	FX	....	Cuban EMBASSY
20,719.0	F7B	UKR6	Stanislav, Ukrainian SSR	FX	60.0	
20,720.0	USB	PPX	Rio de Janeiro, Brazil	FX	....	Telcom/MS
20,721.0	USB	3DV31	Suva, Fiji	FX	....	Forces wkg FijiBat
20,721.8	170/ARQ	....	Rome, Italy	FX	....	MFA
20,721.8	170/ARQ	....	Amman, Jordan	FX	....	Italian EMBASSY
20,722.0	425/50R	9KE387	Khartoum, Sudan	FX	2.0	Kuwait EMBASSY
20,723.9	*425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,725.0	500/50N	....	Luanda, Angola	FX	....	Cuban EMBASSY
20,725.0	850/...e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	15.0	USN
20,728.0	425/50N	IRS27	Rome (Torrenova), Italy	FX	10.0	ANSA Nx EE 0800-0900 FF 0900-1000 EE 1100-1200 EE 1500-1600 FF 1600-1700 FF 1800-1900 EE 1900-2000 FF 2000-2100
(No newscasts on Sundays) [Beamed to Africa]						
20,730.0	F7B	RGV56	Irkutsk, USSR	FX	20.0	Tfc
20,732.5	425/75R	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
20,734.0	CW	4UWD	N'Djamena, Chad	FX	....	UNHCR
20,734.0	CW	4UWG	Geneva, Switzerland	FX	1.5	UN
20,734.0	CW	4UWC	Lubumbashi, Zaire	FX	1.5	UN
20,735.0	CW	TJP76	Yaounde, Cameroon	FX	....	UNHCR
20,735.0	CW	C8Z650	Maputo, Mozambique	FX	....	UN

kHz	Mode	Call	Location	Service	kW	Remarks
20,745.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,747.0	850/50R	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Montevidéo
20,750.0	170/75R	OEC	Vienna, Austria	FX	10.0	MFA
20,750.0	170/75R	OEC64	Lagos, Nigeria	FX	1.0	Austrian EMBASSY
20,751.4	LSB	OEC64	Lagos, Nigeria	FX	1.0	Austrian EMBASSY
20,751.5	USB	PGA88	The Hague, Netherlands	FX	0.3	ICRC
20,751.5	USB	SAR88	Stockholm, Sweden	FX	...	ICRC
20,752.0	425/75N	....	Jakarta, Indonesia	FX	....	Czech EMBASSY
20,752.0	850/50N	9VF230	Singapore	FX	5.0	ANSA Nx EE 0700-0745 [Beamed to Southeast Asia]
20,753.0	CW	SUR88	Cairo, Egypt	FX	....	ICRC
20,753.0	*USB	EPR88	Teheran, Iran	FX	....	"
20,753.0	USB	JYL88	Amman, Jordan	FX	....	"
20,753.0	USB	ODR88	Beirut, Lebanon	FX	....	"
20,753.0	USB	....	San Salvador, El Salvador	FX	....	"
20,753.0	*USB	YKW88	Damascus, Syria	FX	....	"
20,753.0	*LSB	9T020	Kinshasa, Zaire	FX	....	"
20,753.0	*USB	5VR88	Lome, Togo	FX	0.5	"
20,753.1	CW	HBC88	Geneva, Switzerland	FX	....	"
20,753.5	LSB	OEC	Vienna, Austria	FX	....	MFA
20,753.5	*USB	OEC44	Tel Aviv, Israel	FX	2.0	Austrian EMBASSY
20,753.5	LSB	....	Pretoria, RSA	FX	1.0	" "
20,755.0	170/75R	OEC44	Tel Aviv, Israel	FX	1.0	" "
20,755.0	F7B	RHL32	Irkutsk, USSR	FX	20.0	Tfc/Shanghai
20,757.0	170/75R	....	unknown	FX	....	Meteo
20,765.0	*850/...e	GYA	London (Northwood) Naval, England	FX	5.0	British Navy
20,765.0	850/50R	GYU	Gibraltar Naval	FX	....	British Navy
20,765.0	B9W	CUA88	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
20,765.2	B9W	AIA	Tokyo, Japan	FX	5.0	USAF
20,766.0	425/75R	†....	unknown, probably in USSR	FX	....	APN Nx EE 0700
20,770.0	F1B	SDJ	Stockholm (Varberg), Sweden	FX	7.0	Tfc/Nigeria
20,775.0	*850/...e	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	15.0	USN
20,777.0	F7B	UKH5	Kharkov, Ukrainian SSR	FX	60.0	
20,777.3	425/50R	WEU30/27X	New York, NY	FX	20.0	INFOIND Nx EE 1200-1600
20,780.0	USB	VJP	Perth, WA, Australia	FX	....	Telcom/Christmas Is.
20,780.0	425/...e	....	unknown	FX	....	Idling
20,783.0	425/75R	....	unknown	FX	....	Aero/Meteo
20,785.0	425/50N	JAU70	Osaka, Japan	FX	25.0	Tfc
20,785.9	425/50R	CNM92/X9	Rabat (Tangier), Morocco	FX	10.0	MAP Nx FF 1000-1130 Nx EE 1200-1400 Nx FF 1530-1700 [Beamed to Central Africa]
20,785.9e		CNM92/X9	unknown	...	...
20,790.0	B8E	ZEN99	Cape D'Aguilar, Hong Kong	FX	8.0	Telcom/Singapore
20,795.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	MFA
20,795.2	170/FEC	....	unknown	FX	....
20,797.0	USB	PUZ4	Brasilia, Brazil	FX	1.0	Governmental [Telcom: London & Paris]
20,797.5	B9W	XVX20	Ho Chi Minh City, Vietnam	FX	20.0	Tfc
20,798.5	*FAX	WFN20	New York, NY	FX	50.0	Tfc/Nx
20,799.0	850/...e	....	unknown	FX	....	Idling
20,802.0	CW	HGX21	Budapest, Hungary	FX	....	MFA
20,803.0	350/50N	9KT381	Huban, Kuwait	FX	30.0	KUNA Nx EE 1000-1300 1600-1800 [Beamed to East Africa]
20,803.5	....	†WFN30	New York, NY	FX	20.0	AFP [Beamed to South America]
20,805.0	850/50N	....	Paris (Le Bourget), France	FX	5.0	Tfc/Le Port
20,805.0	850/50N	....	Le Port, Reunion	FX	5.0	Tfc/Paris
20,805.0	850/50N	3VA83	Tunis, Tunisia	FX	1.0	Tfc/Paris
20,805.0	325/50R	†....	unknown	FX	....	Nx EE 1745
20,807.0	350/50N	9KT381	Huban, Kuwait	FX	30.0	†KUNA Nx AA 0700-1100 1400-1700 [Beamed to East Africa]
20,807.4	425/50N	....	Lusaka, Zambia	FX	....	Cuba EMBASSY
20,808.0	425/50R	....	Sofia, Bulgaria	FX	....	MFA
20,808.5	CW	AIE	Andersen AFB, Guam	FX	2.0	USAF
20,808.5	B9W	....	several, in Southern Pacific Ocean	FX	....	USAF
20,810.5	USB	CUF55	Flores Air, Azores	AX	10.0	French AF

kHz	Mode	Call	Location	Service	kW	Remarks
20,810.5	425/75N	†7A1	Baghdad, Iraq	FX	....	Czech EMBASSY
20,812.0	USB	HBC88	Geneva, Switzerland	FX	1.0	ICRC
20,812.0	850/....	....	unknown	FX	....	Idling
20,812.3	170/50*	MKG	London (Stanbridge), England	FX	10.0	DCN
20,815.0	USB	SAR88	Stockholm, Sweden	FX	1.0	ICRC
20,816.4	USB	9T020	Kinshasa, Zaire	FX	0.2	UN
20,817.6	LSB	D6B408	Moroni, Republic of the Comores	FX	6.0	Telcom/Tfc
20,820.0	CW	CLP3	Beirut, Lebanon	FX	....	Cuban EMBASSY
20,825.6	CW	....	unknown	FX	....	Nx/SS
20,826.0	425/100R	RWZ76	Moscow, USSR	FX	20.0	APN Nx FF 0900 [Beamed to Africa]
20,830.0	CW	CLP45	unknown	FX	....	Cuban EMBASSY
20,830.3	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,831.8	B9W	TTZ8	N'Djamena, Chad	FX	20.0	Telcom/Tfc
20,832.0	425/50R	RNE33	Moscow, USSR	FX	20.0	
20,837.0	B9W	JBT30	Tokyo, Japan	FX	10.0	Telcom/Tfc
20,838.0	*F1B	Y7F37	unknown	FX	....	GDR EMBASSY
20,839.8	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,840.0	425/50Rc	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR/Tfc/ULV
20,840.0	CW	CLP7	Brazzaville, Congo	FX	....	Cuban EMBASSY
20,840.0	*425/50N	Y7A82	Berlin (Konigs Wusterhausen), GDR	FX	5.0	MFA
20,842.2	425/50N	....	unknown	....	....
20,845.0	USB	....	Golan Heights, Syria	FX	....	Austrian UNFIL
20,850.0	425/50N	CLP7	Brazzaville, Congo	FX	....	Cuban EMBASSY
20,850.0	425/50R	RCB59	Moscow, USSR	FX	15.0	TASS
20,850.0	425/50N	RCB59	"	FX	15.0	APN Nx RR
20,850.0	850/....	....	unknown	FX	....
20,852.0	USB	....	numerous, USA nationwide	FX	....	FAA Backup Net
20,854.0	170/50N	HDN	Quito Naval, Ecuador	FX	....	Ecuadorian Navy
20,854.0	425/75N	TUR5141	Abidjan, Ivory Coast	FX	1.0	MFA
20,863.3	LSB	....	unknown	FX	....	Telcom/FF
20,864.0	425/50R	FDY	Orleans Air, France	FX	....	French AF
20,865.0	425/....	....	numerous, Africa & France	FX	....	French AF
20,866.5	LSB	....	unknown	FX	....	Telcom/FF
20,868.6	CW	....	unknown	FX	....
20,870.0	USB	HET77	Berne, Switzerland	FX	4.0	
20,870.0	USB	AGB4	Wake Island	FX	1.0	USAF/NASA/ Space Shuttle Support
20,873.0	USB	AFE38	Maxwell AFB, AL	FX	1.6	USAF
20,875.0	LSB	XQ8AFI	Cerro Tololo Observatory, Chile	FX	....	wkg KFK92
20,876.0	850/ASCII	XQ8AFI	Cerro Tololo Observatory, Chile	FX	....	Tfc/USA
20,876.0	/110N					
20,878.5	USB	KFK92	Kitts Peak Obs. (Tucson), AZ	FX	1.0	wkg XQ8AFI
20,879.8	USB	....	unknown	FX	....	Telcom
20,884.0	425/50R	XVX20A	Ho Chi Minh City, Vietnam	FX	10.0	
20,885.0	LSB	....	several, in Central & South America	FX	....	USMILGP (Usu- ally heard: AHF4, Albroom AFS, Panama; LQU21, Buenos Aires, Argentina; ZPM261, Asuncion, Paraguay; etc.)
20,885.0	425/75R	†....	unknown, undoubtedly in USSR	FX	....	APN Nx EE 0900
20,885.0	425/....	....	numerous, Africa & France	FX	....	French AF
20,886.9	425/50R	....	New Delhi, India	FX	....	EMBASSY
20,888.0	425/50R	SOV288	Warsaw, Poland	FX	35.0	Tfc/Havana
20,890.0	550/50N	†IRS48	Rome (Torrenova), Italy	FX	10.0	
20,890.0	USB	AFG4	Offutt AFB, NE	FX	0.5	USAF
20,890.0	USB	AFH41	George AFB, CA	FX	0.5	USAF
			(sometimes referred to as "DELTA ONE" frequency)			
20,892.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	MFA
20,896.0	425/75R	....	Kabul, Afghanistan	FX	....	Czech EMBASSY
20,897.2	USB	†....	unknown	FX	....	Telcom/AA
20,900.0	425/75R	"6M2"	Phnom Penh, Cambodia	FX	....	Czech EMBASSY
20,900.0	USB	FZK3	Djibouti	FX	....	Tfc
20,900.0	*425/75R	ETT90	Addis Ababa, Ethiopia	FX	1.0	Czech EMBASSY
20,900.0	CW	"6C2"	Lagos, Nigeria	FX	....	Czech EMBASSY
20,902.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	MFA
20,903.2	LSB	TTU90	Paris (St. Assise), France	FX	20.0	Telcom
20,905.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	MFA
20,905.0	425/50R	RCI77	Moscow, USSR	FX	20.0	
20,905.0	USB	....	unknown	FX	....	Telcom/SS
20,910.0	425/50R	....	Sofia, Bulgaria	FX	....	MFA
20,910.0	850/50R	ZRH95	Cape (Fisantekraal) Naval, RSA	FX	10.0	[RSVIC] RSA Navy

kHz	Mode	Call	Location	Service	kW	Remarks
20,910.0	850/50N	9VF232	Singapore	FX	7.5	ANSA
20,913.6	B9W	†ODS91	Beirut, Lebanon	FX	2.0	Telcom/Tfc
20,915.0	F7B	RCI78	Moscow, USSR	FX	20.0	
20,919.6	USB	†FTU92	Paris (St Assise), France	FX	20.0	Telcom
20,925.0	425/50R	RHA46	Moscow, USSR	FX	20.0	APN Nx Polish
20,928.0	USB	ZLK6	Christchurch Naval, New Zealand	FX	1.0	NSF/USN
20,929.0	850/75N	†ONN31	Brussels, Belgium	FX	1.0	USA EMBASSY
20,929.0	425/50R	....	Sofia, Bulgaria	FX	....	MFA
20,929.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
20,929.5	850/75Ne	ZLK8	Christchurch Naval, New Zealand	FX	1.0	NSF/USN
20,932.5	*170/75R	ONN42	Brussels, Belgium	FX	1.0	Libyan EMBASSY
20,935.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,935.0	FAX	SOV293	Warsaw, Poland	FX	20.0	PAP Nx
			Wednesdays, only: 1000-1030	[To Fishing Fleet]		
20,935.0	425/50R	SOV293	Warsaw, Poland	FX	20.0	PAP Nx in Polish
			1200-1300 [Beamed to ships in the South Atlantic Ocean]			
20,936.4	USB	....	numerous, worldwide	FX	....	USN/MARS
20,939.0	USB	HBC88	Geneva, Switzerland	FX	1.0	ICRC
20,940.0	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,940.0	USB	FTU94	Paris (St. Assise), France	FX	20.0	Telcom/Havana
20,940.0	850/50R	CVP20	Montevideo, Uruguay	FX	14.0	Nx
20,942.0	USB	SAM66	Pyongyang, North Korea	FX	....	Swedish EMBASSY
20,942.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA
20,942.0	USB	SAR88	Stockholm, Sweden	FX	1.0	ICRC
20,942.0	..	ZSH880	unknown at moment	FX	0.1	"
20,942.0	CW	9JR88	Lusaka, Zambia	FX	....	"
20,942.0	USB	ZZC88	Harare, Zimbabwe	FX	....	"
20,945.0	425/50R	RCI79	Moscow, USSR	FX	20.0	
20,946.7	CW	†5YC	Nairobi, Kenya	FX	....	Meteo
20,948.0	F1B	....	Luanda, Angola	FX	....	Bulgarian EMBASSY
20,948.0	USB	†....	Mexico City, DF, Mexico	FX	....	Telcom
20,950.0	*170/50R	ETT95	Addis Ababa, Ethiopia	FX	1.0	Yugoslav EMBASSY
20,952.0	850/75N	....	several, worldwide	FX	....	Swedish EMBASSIES
			(Reported have been: SAM57, Dacca, Bangladesh; SAM62, Beijing, PRC & SAM67, Colombo, Sri Lanka)			
20,955.0	B8E	TNI9	Brazzaville, Congo	FX	20.0	Telcom
20,955.0	CW	....	Accra, Ghana	FX	....	MFA
20,955.0	CW	....	Tripoli, Libya	FX	....	Ghana EMBASSY
20,955.5	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,957.0	B9W	CS19	Petawawa, Ont., Canada	FX	....	Canadian Forces
20,957.0	850/50N	JAV50	Osaka, Japan	FX	5.0	Tfc
20,957.0	*425/50R	YZK2	Belgrade, Yugoslavia	FX	30.0	TANJUG
			[Beamed to Southeast Asia]			
20,958.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA
			(Usually heard Swedish EMBASSIES include: SAM25, Lisbon, Portugal; SAM48, Damascus, Syria; SAM49, Jeddah, Saudi Arabia; SAM52, Tel Aviv, Israel; SAM54, Vientiane, Laos; SAM61, New Delhi, India; SAM64, Pyongyang, N. Korea; SAM65, Seoul, S. Korea; SAM67, Colombo, Sri Lanka; SAM79, Zambia; SAM80, Gaborone, Botswana; SAM81, Bissau, Guinea-Bissau & SAM82, Maputo, Mozambique) [Alt: 20,010.0]			
20,958.0	USB	SAM50	Cairo, Egypt	FX	1.0	Swedish EMBASSY
20,958.0	425/75	SAM70	Addis Ababa, Ethiopia	FX	....	Swedish EMBASSY
20,960.0	USB	CP67	La Paz, Bolivia	FX	0.5	USMAGP
20,960.0	850/75R	SAM73	Lagos, Nigeria	FX	....	Swedish EMBASSY
20,960.0	850/50N	9VF233	Singapore	FX	5.0	KYODO Nx EE
			(Not on Sundays) 0430-0600			
			(Daily) 0610-0640			
			[Beamed to Japan & North America]			
			(Daily) 1000-1100			
			[Beamed to Europe, India & the Middle East]			
20,960.0	425/75R	SAM67	Colombo, Sri Lanka	FX	1.0	Swedish EMBASSY
20,960.0	425/75R	SAM	Stockholm, Sweden	FX	1.0	MFA
20,960.0	USB	....	numerous, USA nationwide	FX	....	USAF/MARS (includes AGA6TR, Travis AFB, CA; AGA8HI, Hickam, AFB, HI; AGA9EL, Elmendorf AFB, AK; etc.)
20,962.0	425/50R	†ODS96	Beirut, Lebanon	FX	5.0	Tfc
20,962.6	850/75R	AGA8HI	Hickam AFB, HI	FX	2.0	USAF/MARS
20,964.0	425/50R	BZM20	Wulumuqi, PRC	FX	10.0	XNA Nx EE 0400-0530
			[Beamed to East Africa]			

kHz	Mode	Call	Location	Service	kW	Remarks
20,964.0	425/75N	SAM	Stockholm, Sweden	FX	1.0	MFA/
			Nx EE/Swedish 1000-1130			(Irregular)
20,964.6	F7B	RKB7Ø	Moscow, USSR	FX	20.0	TASS Nx AA 0815-1415 FF 0815-1600
			(Neither broadcast on Sundays)			[Beamed to the Middle East]
20,965.0	USB	AGA8CL	Clark AB, Philippines	FX	....	USAF/MARS
20,969.5	170/50*	MKG	London (Stanbridge), England	FX	5.0	DCN
20,970.0	USB	....	several, Middle East & Canada	FX	....	Canadian UNFIL [Alt: 13,971.0]
20,970.0	425/50N	†....	Paris, France	FX	....	Indonesian EMBASSY
20,970.0	LSB	C8N33	Maputo, Mozambique	FX	....	vm
20,970.0	*425/75R	Z2F81	Harare, Zimbabwe	FX	1.0	PRC EMBASSY
20,972.0	USB	OEC36	Beijing, PRC	FX	1.0	Austrian EMBASSY
20,972.1	B9W	†ODS97	Beirut, Lebanon	FX	7.0	Telcom/Tfc
20,973.5	170/75R	OEC36	Beijing, PRC	FX	1.0	Austrian EMBASSY
20,975.0	USB	CME385	Havana, Cuba	FX	1.0	Swedish EMBASSY
20,975.0	F7B	RWO63	Tbilisi, Georgian SSR	FX	20.0	Tfc/Havana
20,975.3	LSB	....	numerous, worldwide	FX	....	US Army/MARS
20,976.0	CW	†FLE23	Paris, France	FX	10.0	Tfc
20,977.0	425/75R	....	unknown	FX	....	Coded Tfc
20,980.0	USB	AFX	Barksdale AFB, LA	FX	0.5	USAF
20,980.0	....	WFG4Ø	New York, NY	FX	50.0	DPA Nx SS 1100-1145 (Not on Sundays)
20,980.2	CW	†"SM5R"	unknown	FX	....	Coded Tfc
20,981.2	170/50*	MKD	Akrotiri, Cyprus	FX	10.0	DCN
20,984.1	250/...e	....	unknown	FX	....
20,985.0	USB	CME383	Havana, Cuba	FX	1.0	Swedish EMBASSY
20,985.5	piccolo	....	unknown	FX	....
20,985.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,985.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA
20,987.0	425/50N	....	Algiers, Algeria	FX	....	Indonesian EMBASSY
20,987.0	425/50N	†....	Jakarta, Indonesia	FX	....	Nx Indonesian 1450
20,987.0	USB	....	numerous, worldwide	FX	....	USN/MARS
20,988.1	425/75R	"3K5"	Beirut, Lebanon	FX	....	Czech EMBASSY
20,989.0	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
20,990.0	170/75R	CME352	Havana, Cuba	FX	2.0	Yugoslav EMBASSY
20,990.0	850/...e	†NGR	NAVCOMMSTA Nea Makri, Greece	FX	....	USN
20,990.2	425/75N	†....	Kabul, Afghanistan	FX	....	Czech EMBASSY
20,991.5	CW	"D"	unknown	RC	....	Beacon
20,991.8	CW	"O"	unknown	RC	....	Beacon
20,992.0	LSB	XVX2ØB	Hanoi, Vietnam	FX	....	Telcom
20,992.0	*DATA	"C"	unknown	RC	....	Beacon
20,993.0	CW	"D"	unknown	...	....	Beacon
20,994.6	425/50R	FTU99	Paris (St. Assise), France	FX	20.0	Tfc
20,995.0	425/...e	....	Etampes Air, France	FX	20.0	French AF
20,995.0	425/75N	"7A1"	Baghdad, Iraq	FX	....	Czech EMBASSY
20,996.0	CW	"7A7"	Baghdad, Iraq	FX	....	USSR EMBASSY
20,997.0	USB	PGA88	The Hague, Netherlands	FX	1.0	ICRC
20,997.0	USB	....	several, worldwide	FX	....	USN/MARS
20,998.0	USB	SAR88	Stockholm, Sweden	FX	1.0	ICRC
20,998.0	USB	HBC88	Geneva, Switzerland	FX	1.0	ICRC
20,999.0	425/50N	FPU99	Paris (Vernon), France	FX	2.0	
20,999.0	850/75N	AOK	NS Rota, Spain	FX	....	USAF/USN
20,999.5	425/50N	OLU	Prague, Czechoslovakia	FX	30.0	CTK Nx EE 0900-1030 1130-1200
						(No newscasts on Sundays) 1630-1730
						(Sundays, only) 1730-1830
						[Beamed to the Middle East & Southeast Asia]
						(During non-newscast hours this station use for tfc to Beijing)

21,000.0 - 21,450.0 kHz — AMATEUR RADIO (Worldwide)

21,032.0	CW	UMS	Moscow Naval, USSR	FX	25.0	Russian Navy
21,115.0	CW	"CQ5"	unknown	FX	....
21,368.0	250/50Rc	ULV	Moscow, USSR	FX	....

21,450.0 - 21,850.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)

21,744.0	F7B	RHA48	Moscow, USSR	FX	20.0	
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kHz	Mode	Call	Location	Service	kW	Remarks
21,750.0 - 21,870.0 kHz — FIXED SERVICE (Worldwide)						
21,750.0	F7B	RIX50	Khabarovsk, USSR	FX	30.0	
21,751.0	425/75R	ONN28	Brussels, Belgium	FX	0.5	PRC EMBASSY
21,752.0	425/50R	CLN650	Havana (Bauta), Cuba	FX	10.0	
21,755.0	CW	9EU76	Addis Ababa, Ethiopia	FX	0.5	Italian EMBASSY
21,755.0	F7B	RNY4	Frunze, Kirgiz SSR	FX	100.0	
21,756.4	425/50R	DFV75/L3	Cologne (Elmshorn), GFR	FX	5.0	DW Control
21,760.0	CW	NPN	NAVCOMMSTA Agana, Guam	FX	3.0	USN(NOAA re- ports wx broadcasts at 0400, 1300, 1700 & 2300)
21,760.0	CW	NRV	COMMSTA Barrigada, Guam	FX	....	USCG
21,760.0	AM	....	KOL ISRAEL, Jerusalem, Israel	BC	....	External Service
21,760.0	*425/50R	RIF31	Moscow, USSR	FX	20.0	TASS
21,762.0	USB	LJA21	Tel Aviv, Israel	FX	0.4	Norwegian EMBASSY
21,763.5	425/50N	LJA21	Tel Aviv, Israel	FX	0.4	Norwegian EMBASSY
21,764.1	CW	RIW	Khiya Naval, Uzbek SSR	FX	....	Russian Navy
21,765.0	CW	RCV	Moscow Naval, USSR	FX	....	Russian Navy
21,767.0	425/50R	9XK79	Kigali, Rwanda	FX	....	DW Talkback
21,768.5	425/75R	CLN651	Havana (Bauta), Cuba	FX	80.0	Tfc/Moscow
21,770.1	850/50N	LRO89	Buenos Aires, Argentina	FX	10.0	SAPORITI Nx SS
1300-1900 [Beamed to Central America]						
21,771.8	Piccolo	....	unknown	FX	....	British EMBASSY
21,772.0	425/50R	RAD23	Tashkent, Uzbek SSR	FX	80.0	TASS
21,773.0	850/75N	†KNY24	Washington, DC	FX	1.0	State Dept.
21,773.4	LSB	CUW	Lajes Field, Azores	FX	10.0	USAF
21,774.5	170/50*	MKG	London (Stanbridge), England	FX	....	DCN
21,782.5	850/50N	PPN9	Brasilia, Brazil	FX	....	Meteo
21,782.5	F1B	†GLH41	London (Ongar), England	FX	20.0	Nx
21,784.0	850/50N	JAT31	Tokyo, Japan	FX	5.0	Tfc/Singapore
21,784.0	CW	RIW	Khiya Naval, Uzbek SSR	FX	....	Russian Navy
21,785.0	CW	AYA28	Buenos Aires, Argentina	FX	1.0	INTERPOL
21,785.0	CW	XJES7	Ottawa (Almonte), Ont., Canada	FX	1.5	"
21,785.0	170/50N	FSB66	Paris (St. Martin Abbat), France	FX	2.5	"
21,785.0	FAX	NPM	NAVCOMMSTA Pearl Harbor, HI	FX	15.0	USN Meteo (1800-0630)
21,785.0	CW	8UF75	New Delhi, India	FX	5.0	INTERPOL
21,785.5	325/50N	9KT383	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100 1400-1700 [Beamed to Europe]
21,789.5	325/50N	9KT383	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300 1600-1800
21,790.0	850/75Re	ZLO47	Irirangi Naval, New Zealand	FX	20.0	RNZ Navy
21,790.2	850/75R	GYU	Gibraltar Naval	FX	....	British Navy
21,792.0	850/75Ne	NBA	NAVCOMMSTA Balboa, Panama	FX	10.0	USN
21,793.0	425/75R	RKE29	Moscow, USSR	FX	20.0	APN Nx PP
21,795.0	425/50Rc	CLN653	Havana, Cuba	FX	20.0	Tfc/Moscow
21,795.0	425/50N	†6VA321	Dakar, Senegal	FX	5.0	
21,795.0	F7B	ROJ58	Vladivostok, USSR	FX	50.0	
21,796.5	425/50R	CLN652	Havana (Bauta), Cuba	FX	20.0	Tfc/GDR
21,798.0	425/50N	5NK43	Kano, Nigeria	FX	10.0	Meteo
21,800.0	850/75N	....	Kavalla, Greece	FX	....	VOA
21,801.3	170/75N	....	Kavalla, Greece	FX	....	VOA
21,802.0	AM	....	RADIO PAKISTAN, Karachi, Pakistan	BC	....	External Service
21,802.5	850/75N	CCQ	Iquique Naval, Chile	FX	....	Chilean Navy
21,804.0	850/75Ne	ZLK37	Christchurch Naval, New Zealand	FX	5.0	NSF/USN
21,804.0	CW	ZBP	Pitcairn Island	FX	0.7	Tfc
21,804.5	USB	ONN27	Brussels, Belgium	FX	1.0	MFA
21,805.0	425/50N	IRT28	Rome (Torrenova), Italy	FX	10.0	IINA
21,807.0	CW	TUW210	Abidjan, Ivory Coast	FX	1.0	INTERPOL
21,807.5	*170/50N	FSB67	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
21,807.5	CW	8UF75	New Delhi, India	FX	5.0	"
21,807.5	CW	50P25	Lagos, Nigeria	FX	1.5	"
21,808.0	850/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	10.0	Brazilian Navy
21,808.0	425/50R	YOV28	Bucharest, Rumania	FX	15.0	AGERPRES Nx EE (Not on Sundays) 0730-0830 & 1100-1230 [Beamed to the Far East]
21,810.0	AM	....	BELGISCHIE RADIO, Brussels, Belgium	BC	....	External Service
21,810.0	*425/75R	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
21,814.0	CW	CLN653	Havana (Bauta), Cuba	FX	30.0	Tfc/UJY2
21,815.0	425/50R	....	Vietiane, Laos	FX	....	Cubian EMBASSY

kHz	Mode	Call	Location	Service	kW	Remarks
21,820.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
21,820.0	F7B	RNY4	Frunze, Kirgiz SSR	FX	100.0	
21,823.0	375/50N	FTV82	Paris (Le Vernet), France	FX	20.0	AFP Nx PP 1000-0600 [Beamed to Brazil]
21,825.0	425/50R	IRT38	Rome (Torrennova), Italy	FX	20.0	Tfc/Montreal
21,825.0	F7B	REN36	Moscow, USSR	FX	20.0	APN
21,830.0	FAX	†VFE	Edmonton, Alta., Canada	FX	5.0	Meteo
21,830.0	B8E	FTV83	Paris (St. Assise), France	FX	20.0	Telcom
21,831.0	170/50*	MKD	Akrotiri, Cyprus	FX	5.0	DCN
21,832.3	500/50N	32B2Ø1	Arctowski Base, Antarctica	FX	....	Polish Expedition
21,834.0	*FAX	ZLK45	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
21,834.0	850/75N	ZLK35	" " " "	FX	15.0	NSF/USN
21,836.5	USB	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
21,838.0	*425/50R	SOW283	Warsaw, Poland	FX	....	PAP Nx EE 1100-1130 (Not on Sundays) [Beamed to the Middle East] (To Fishing Fleet)
21,840.0	850/50N	CCQ	Iquique Naval, Chile	FX	....	Chilean Navy
21,840.0	425/50R	RCT58	Moscow, USSR	FX	15.0	TASS Nx EE 0600-1630 [Beamed to West Africa]
21,840.0	AM	....	VOICE OF AMERICA, Greenville, NC	BC	....	VOA
21,841.5	USB	PCW	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
21,842.0	CW	Y7B45	Nicosia, Cyprus	FX	....	GDR EMBASSY
21,842.0	850/50N	CTV61	Monsanto Naval, Portugal	FX	10.0	Port. Navy
21,843.0	170/ARQ	PCW	Jerusalem, Israel	FX	0.8	Dutch EMBASSY
21,843.0	170/ARQ	PCW1	The Haag, Netherlands	FX	....	MFA
21,844.5	USB	SRZ911	Warsaw, Poland	FX	1.0	Nigerian EMBASSY
21,846.0	425/50R	SRZ911	Warsaw, Poland	FX	1.0	Nigerian EMBASSY
21,849.0	425/50N	IRT58	Rome, Italy	FX	20.0	
21,850.0 - 21,870.0 kHz — FIXED SERVICE (Worldwide)						
21,853.0	850/50R	....	Buenos Aires, Argentina	FX	....	TELAM Feed to TANJUG
21,855.0	*F1B	ONN41	Brussels, Belgium	FX	1.0	Benin EMBASSY
21,855.0	CW	"ISA34"	unknown	FX	....
21,856.0	425/50N	....	Jakarta, Indonesia	FX	....	MFA
21,858.7	USB	....	Doha, Qatar	FX	1.0	Tfc/Cairo
21,860.0	CW	ZRB2	Waterkloof AFB, RSA	FX	....	RSA AF
21,861.0	425/50R	....	Islamabad, Pakistan	FX	....	MFA
21,864.0	425/50R	....	several, in Europe & Middle East	FX	....	Pakistan EMBASSIES
21,865.1	425/50Rc	ULV	Leningrad, USSR	FX	....
21,870.0 - 22,000 kHz — AERONAUTICAL FIXED/MOBILE (Worldwide)						
21,875.0	170/50N	....	Rawalpindi, Pakistan	FX	....	Meteo
21,876.0	425/50N	HSF212WSM	Washington, DC	FX	1.0	Thai EMBASSY
21,882.9	425/50R	....	Moscow, USSR	FX	....	Pakistan EMBASSY
21,884.8	USB	....		FX	....	Feeder/AA
21,887.0	425/50N	....	Islamabad, Pakistan	FX	....	EMBASSY
21,889.5	425/50R	CLP1	Havana, Cuba	FX	....	MINREX
21,918.0	F1B	5ST86	Antananarivo Aeradio, Madagascar	AX	6.0	Tfc/Noumea
21,923.0	425/50R	CLP1	Havana, Cuba	FX	....	MINREX
21,925.0	USB	....	Amsterdam Aeradio, Netherlands	FA/MA	6.0	KLM
21,933.5	500/50*	CLP	Luanda, Angola	FX	....	Cuban EMBASSY
21,940.1	525/50N	7XA99	Algiers, Algeria	FX	10.0	Meteo
21,943.0	USB	....	Bahrain	FA	....	LDOC
21,943.5	USB	....	Paris Radio, France	FA/MA	6.0	
21,946.0	USB	....	LDOC London	FA/MA	...	
21,948.0	....	HSF212	Bangkok, Thailand	FX	....	MFA
21,950.0	725/....e	....	unknown	FX	....	Idling
21,953.0	170/ARQ	LJA2Ø	Oslo, Norway	FX	....	MFA
21,957.2	425/50N	....	unknown	FX	....	EMBASSY
21,960.0	170/50R	9NK	Kathmandu, Nepal	...	....
21,965.0	425/50R	CLP5	Moscow, USSR	FX	....	Cuban EMBASSY
21,967.0	USB		Las Palmas Radio, Canary Islands	FA/MA	1.0	
21,967.0	USB	DLH	Frankfurt Control, GFR	FA/MA	6.0	
21,970.0	USB	....	Hong Kong Radio, Hong Kong	FA/MA	6.0	
21,973.0	170/75N	"RZYM"	unknown	FX	....	Coded Tfc
21,976.0	USB	YVL425	Maiquetia Radio, Venezuela	FA/MA	1.0	
21,985.0	850/50R	LWB	Buenos Aires (Moron), Argentina	AX	....	[BRA] Tfc/Rio

kHz	Mode	Call	Location	Service	kW	Remarks
21,988.0	USB	HEE92	Berne Aeradio, Switzerland	FA/MA	6.0	
21,994.0	USB	....	Dharan Radio, Saudi Arabia	FA/MA	....
22,000.0 - 22,855.0 kHz — MARITIME MOBILE (Worldwide)						
22,000.0	USB		The band between these two frequencies is divided into 40 channels spaced 3.1 kHz apart and assigned numbers from 2201 to 2240. These are ship transmitting channels and are paired with Coastal USB Stations operating between 22,596.0 and 22,716.9 kHz.			
22,000.0	USB					
22,029.0	425/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
22,068.0	850/50N	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
22,071.5	CW	CCS	Santiago Naval, Chile	FC	....	Chilean Navy
22,072.0	FAX	....	unknown, possibly Chile	...	....
22,076.0	425/50N	CLP1	Havana, Cuba	FX	....	EMBASSY
22,124.0	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Inland & inter-coastal waterway traffic. Employed worldwide by hundreds of base stations and various types of ships. Frequently heard in North America: KHT, Cedar Rapids, IA; KMX, San Diego, CA; KST, Portland, OR; etc.
22,127.1	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	This frequency is also used by USCG Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam
22,130.2	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	
22,133.3	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	Also used by (This frequency is also used by USCG Coast Stations as listed on 22,127.1)
22,136.4	USB	....	Coast & Ship Simplex Frequency	FC/MS	...	
22,144.0	850/50N	RXFIC	Oeiras Naval, Portugal	FC	....	Port. Navy/NATO
22,201.1	170/ARQ	....	unknown	FC	....	Tfc/EE
22,205.0	DSB	....	unknown	FX	....	Feeder for MAYAK
22,217.4	170/50Nc	UMV	Murmansk Radio, USSR	FC	25.0	Meteo
22,227.0	CW		The band between 22,227 kHz and 22,247.0 kHz is divided into 10 channels spaced 2.0 kHz apart and assigned numbers from 1 to 10. These are ship transmitting channels. The most commonly used are channels 5 and 6; 22,236.0 and 22,238.0 kHz.			
22,227.0	CW					
22,258.0	CW	OFJ	usual	FC	....
22,310.0	CW	RMP	Rostov Radio, USSR	FC	....
22,310.5	CW	50W22	Lagos Radio, Nigeria	FC	....	wx at 1100/1300
22,311.4	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
22,312.0	CW	FUX	Le Port Naval, Reunion	FC	....	French Navy
22,312.0	CW	EBA	Madrid Radionaval, Spain	FC	....	Spanish Navy
22,312.1	CW	XSG3	Shanghai Radio, PRC	FC	10.0	
22,312.5	CW	CWA	Montevideo Radio, Uruguay	FC	2.0	
22,313.0	*850/...e	FUF	Fort de France Naval, Martinique	FC	20.0	French Navy
22,315.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
22,315.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
22,315.5	CW	VIP6	Perth Radio, WA, Australia	FC	10.0	AMVER
22,318.0	CW	WPA	Port Arthur Radio, TX	FC	5.0	
22,318.5	CW	FFS9	St. Lys Radio, France	FC	10.0	
22,320.0	CW	WLO	Mobile Radio, AL	FC	30.0	(NOAA reports wx broadcasts at 1300 & 2300)
22,321.0	CW	USW2	Rostov Radio, USSR	FC	5.0	
22,322.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
22,322.5	CW	UHK	Batumi Radio, Georgian SSR	FC	15.0	Black Sea (HX)
22,323.9	CW	DZJ	Manila (Bulacan), Philippines	FC	1.5	
22,324.0	CW	XSQ	Guangzhou Radio, PRC	FC	....
22,324.5	CW	PCH70	Scheveningen Radio, Netherlands	FC	10.0	
22,325.0	*170/50Nc	UJY	Kaliningrad, USSR	FC	15.0	
22,327.5	CW	SVG7	Athens Radio, Greece	FC	5.0	
22,329.5	CW	UMV	Murmansk Radio, USSR	FC	....
22,329.5	CW	PWZ	Rio Naval Radio	FC	....
22,330.4	CW	4XZ	Haifa Naval, Israel	FC	2.0	Israel Navy

kHz	Mode	Call	Location	Service	kW	Remarks
22,330.5	850/75N	PBC322	Goeree Island Naval, Netherlands	FC	....	Dutch Navy
22,330.7	CW	D3E81	Luanda Radio, Angola	FC	5.0	wx at 1000/1700
22,333.0	CW	URB2	Klaidepa Radio, Lithuanian SSR	FC	5.0	[RWWW], [4LI]
TASS newscast on Saturdays 1000-1100						
22,334.5	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
22,335.2	CW	GXU7	Gibraltar Naval	FC	....	British Navy
22,335.5	CW	DZI	Manila (Bacoar), Philippines	FC	1.0	
22,336.0	CW	TIM	Limon Radio, Costa Rica	FC	....
22,336.2	CW	XSW	Kaohsiung Radio, Taiwan	FC	....	Reported wx
broadcasts at 0500, 1100 & 2300						
22,338.0	CW	5RS	Tamatave Radio, Madagascar	FC	....
22,338.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
22,338.0	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	
22,338.2	CW	YIR	Basrah Control, Iraq	FC	1.0	
22,339.0	CW	PTO	Brasilia Radio, Brazil	FC	....
22,340.5	CW	DAL	Norddeich Radio, GFR	FC	10.0	
22,342.5	CW	6WW	Dakar Naval, Senegal	FC	10.0	French Navy
22,344.0	CW	LZW7	Varna Radio, Bulgaria	FC	15.0	
22,344.5	CW	HEB	Berne Radio, Switzerland	FC	10.0	
22,346.0	170/75N	WECB	USNS Mellville, Antarctica	FX	....	US Navy Contact
Oceanographic research vessel						
22,346.0	170/75N	WTEA	Antarctica	FX	....	NOAA vessel "Discoverer"
22,346.5	CW	LSA7	Boca (Buenos Aires) Radio, Argentina	FC	3.0	
22,346.5	CW	SVI7	Athens Radio, Greece	FC	5.0	
22,347.5	CW	ZSC20	Cape Town Radio, RSA	FC	10.0	
22,348.6	CW	JFC	Misaki Gyogyo Radio, Japan	FC	....
22,349.5	CW	UFN	Novorossiysk Radio, USSR	FC	15.0	HX
22,350.0	*170/50Nc	UKK3	Nakhodka Radio, USSR	FC	10.0	
22,350.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	Reported wx
broadcasts at 0100, 0900 & 1500						
22,351.0	CW	DUN	Manila Naval	FC	....
22,351.5	CW	OST72	Oostende Radio, Belgium	FC	30.0	
22,351.5	CW	XSQ	Guangzhou Radio, PRC	FC	10.0	
22,352.4	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
22,352.5	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS/ (0125-0130; 1425-1430 & 2125-2130, only)/Tfc
22,352.9	*170/50Nc	UCO	Yalta Radio, Ukrainian SSR	FC	10.0	TFL 0800/1000/1600
22,354.5	CW	UDK2	Murmansk Radio, USSR	FC	10.0	
22,355.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	
22,357.0	170/ARD	SAB93	Goteborg Radio, Sweden	FC	....
22,358.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
22,361.0	CW	DFW36	Frankfurt (Usingen), GFR	FC	15.0	MARPRESS/Re-
ported nx broadcast at 1618						
22,362.5	CW	HEB	Berne Radio, Switzerland	FC	10.0	
22,363.0	CW	XSG	Shanghai Radio, PRC	FC	5.0	
22,365.0	CW	UBN	Jdanov Radio, Ukrainian SSR	FC	15.0	
22,366.5	CW	JGC	Yokohama, JMSA	FC	....
22,366.5	CW	JNE	Hiroshima, JMSA	FC	....
22,368.0	CW	VAI	Vancouver CG Radio, BC, Canada	FC	5.0	AMVER
22,371.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
22,372.5	CW	IAR22	Rome P.T. Radio, Italy	FC	15.0	
22,374.0	CW	LZW72	Varna Radio, Bulgaria	FC	1.5	
22,375.0	CW	XYR24	Rangoon Radio, Burma	FC	1.0	
22,376.0	CW	IAR62	Rome P.T. Radio, Italy	FC	15.0	
22,376.4	CW	ZLO	Irirangi Naval, New Zealand	FC	10.0	RNZ Navy
22,378.0	CW	IAR32	Rome P.T. Radio, Italy	FC	15.0	
22,378.1	CW	VTG9	Bombay Naval, India	FC	1.0	Indian Navy
22,380.0	CW	UBN	Jdanov Radio, USSR	FC	....
22,383.0	*170/50Nc	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
22,384.0	CW	XSE	Qinhuangdao Radio, PRC	FC	6.0	
22,384.0	FAX	GZZ	London (Northwood) Naval, England	FC	5.0	British Navy/ Meteo
22,384.0	CW	EDF6	Aranjuez Radio, Spain	FC	15.0	
22,385.0	CW	XDA	Radiomex, Mexico City, DF, Mexico	FC	15.0	
22,386.0	CW	JCT	Choshi Radio, Japan	FC	3.0	
22,387.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	ESF
22,387.0	CW	GKS7	Portishead Radio, England	FC	15.0	
22,387.0	CW	VTG9	Bombay Naval, India	FC	1.0	Indian Navy
22,387.1	CW	VCS	Halifax CG Radio, NS, Canada	FC	1.0	AMVER
22,389.0	CW	HWN	Paris (Houilles) Naval, France	FC	2.0	French Navy

kHz	Mode	Call	Location	Service	kW	Remarks
22,390.0	CW	FUF	Fort de France Naval, Martinique	FC	10.0	French Navy
22,393.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
22,393.2	*850/....e	ZRH7	Cape (Fisantekraal) Naval, RSA	FC	15.0	RSA Navy
22,394.8	CW	ZRQ7	Cape (Simonstown) Naval, RSA	FC	10.0	RSA Navy/
Reported wx broadcasts at 1030 & 1830						
22,394.9	CW	HLF	Seoul Radio, South Korea	FC	15.0	wx at 0600/2000
22,395.0	CW	9MG12	Penang Radio, Malaysia	FC	5.0	
22,395.0	CW	UAT	Moscow Radio, USSR	FC	10.0	
22,396.0	CW	CLA50	Havana (Cojimar) Radio, Cuba	FC	5.0	PL Nx 2000-2100
Not on Sundays (To Ships at Sea)						
22,396.0	CW	OFJ22	Helsinki Radio, Finland	FC	10.0	
22,396.0	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
22,396.0	CW	LFL	Rogaland Radio, Norway	FC	5.0	
22,396.5	CW	DHJ59	Sengwarden Naval, GFR	FC	....	GFR Navy/NATO
22,397.5	CW	CFH	Maritime Command, Halifax, NS,	FC	10.0	Canadian Forces
22,398.0	CW	JNA	Tokyo Naval, Japan	FC	5.0	JMSDF/
NAVAREA 0005, 0405, 0805 & 1205						
22,399.0	CW	SPH92	Gydnia Radio, Poland	FC	10.0	
22,401.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
22,402.0	CW	XSG	Shanghai Radio, PRC	FC	10.0	
22,402.0	CW	DUN	Manila Naval Radio	FC	....
22,403.0	*170/50Nc	UJY	Kaliningrad Radio, USSR	FC	15.0	[3SC]
22,403.0	170/75N	....	Frequency available to DEA/USCG Combined Operations			
22,404.0	CW	OXZ92	Lynghby Radio, Denmark	FC	10.0	Nx 1330-1400
22,405.0	CW	UKX	Nakhodka Radio, USSR	FC	15.0	
22,405.0	CW	UKA	Vladivostok Radio, USSR	FC	15.0	
22,406.0	CW	URD	Leningrad Radio, USSR	FC	10.0	
22,407.0	*850/75Ne	ZL07	Irirangi Naval, New Zealand	FC	20.0	RNZ Navy
22,407.0	CW	SPH93	Gydnia Radio, Poland	FC	10.0	
22,407.0	CW	UKW3	Korsakov Sakhalinsk Radio, USSR	FC	....
22,407.3	CW	GKC7	Portishead Radio, England	FC	5.0	
22,409.0	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
22,410.0	CW	AME3	Madrid Radionaval, Spain	FC	10.0	Spanish Navy
22,410.0	CW	UKK3	Nakhodka Radio, USSR	FC	10.0	
22,410.0	*170/50Nc	UNQ	Novorossiysk Radio, USSR	FC	5.0	
22,410.9	CW	SVB7	Athens Radio, Greece	FC	5.0	
22,411.0	*170/50Nc	UJQ7	Kiev Radio, Ukrainian SSR	FC	25.0	
22,412.0	CW	HPN60	Canal (Puerto Armuelles) R., Panama	FC	1.0	
22,413.0	*850/....e	SAG9	Goteborg Radio, Sweden	FC	5.0	AMVER
22,414.9	CW	UFD9	Arkhangelsk Radio, USSR	FC	5.0	
22,415.0	CW	DAF	Norddeich Radio, GFR	FC	10.0	
22,416.9	CW	SVA7	Athens Radio, Greece	FC	10.0	
22,417.0	CW	LZL7	Bourgas Radio, Bulgaria	FC	1.0	HX
22,417.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
22,419.0	CW	LPD91	Gen. Pacheco Radio, Argentina	FC	15.0	
22,419.0	CW	OXZ9	Lynghby Radio, Denmark	FC	10.0	
22,419.0	CW	JCS	Choshi Radio, Japan	FC	3.0	
22,420.0	CW	PPR2	Rio Radio, Brazil	FC	1.0	TIME SIGNALS/
(0125-0130: 1425-1430 & 2125-2130, only)/Tfc						
22,420.0	CW	UDH	Riga Radio, Latvian SSR	FC	15.0	HX
22,422.0	CW	Y5M	Ruegen Radio, GDR	FC	20.0	
22,423.0	CW	UAT	Moscow, USSR	FC	15.0	
22,425.0	CW	AQP6	Karachi Naval, Pakistan	FC	20.0	Pakistan Navy
22,425.0	CW	KFS	San Francisco Radio, CA	FC	30.0	
22,425.0	FAX	RHB/RHO	Khabarovsk Radio, USSR	FC	....	Meteo
22,425.5	CW	LGG	Rogaland Radio, Norway	FC	5.0	AMVER
22,427.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
22,428.0	CW	9VG59	Singapore Radio	FC	5.0	
22,430.0	CW	URL3	Sevastopol Radio, Ukrainian SSR	FC	15.0	
22,431.0	CW	PKI	Jakarta Radio, Indonesia	FC	....
22,431.0	CW	JFF	Miyagi Radio, Japan	FC	2.0	
22,431.0	CW	WNU36	Slidell Radio, LA	FC	3.0	(NOAA reports wx broadcast at 1630)
22,431.0	CW	9PA	Banana Radio, Zaire	FC	....
22,432.2	CW	GKD7	Portishead Radio, England	FC	15.0	
22,435.0	CW	D4U	Sao Vicente Naval, Cape Verde	FC	....
22,435.0	*170/50Nc	UKK3	Nakhodka Radio, USSR	FC	10.0	
22,435.0	*170/50Nc	UPB	Providenia Bukhta Radio, USSR	FC	15.0	
22,435.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	5.0	
22,435.0	CW	URL	Vladivostok Radio, USSR	FC	15.0	

kHz	Mode	Call	Location	Service	kW	Remarks
22,437.0	CW	Y5M	Ruegen Radio, GDR	FC	5.0	
22,438.5	CW	SAB9	Goteborg Radio, Sweden	FC	20.0	
22,440.0	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
22,440.0	*170/50Nc	UJQ7	Kiev Radio, Ukrainian SSR	FC	20.0	
22,443.0	CW	YUR9	Rijeka Radio, Yugoslavia	FC	6.0	
22,445.9	CW	EAD6	Aranjuez Radio, Spain	FC	5.0	
22,447.0	CW	FUV	Djibouti Naval	FC	....	French Navy
22,448.0	CW	YQI7	Constantza Radio, Rumania	FC	....
22,448.7	CW	GKB7	Portishead Radio, England	FC	5.0	
22,450.0	CW	ROT	Moscow Naval, USSR	FC	15.0	Russian Navy
22,452.8	CW	XSQ7	Guangzhou Radio, PRC	FC	7.0	
22,454.2	CW	GYC7	London (Northwood) Naval, England	FC	10.0	[B13A] British Navy
22,454.5	CW	ROT	Moscow Naval, USSR	FC	25.0	Russian Navy
22,454.8	CW	ZSC40	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/ (NOAA reports wx broadcasts at 0930, 1348 & 1730)
22,455.0	850/50N	PWZ33	Rio de Janeiro Naval, Brazil	FC	15.0	Brazilian Navy (wx 0330)
22,455.0	CW	UDH	Riga Radio, Estonian SSR	FC	5.0	
22,457.9	CW	WNU46	Slidell Radio, LA	FC	3.0	
22,458.0	CW	URB2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
22,459.2	CW	OXZ93	Lynby Radio, Denmark	FC	10.0	
22,459.6	CW	XSX	Keelung Radio, Taiwan	FC	....
22,460.0	FAX	XSG	Shanghai Radio, PRC	FC	10.0	Meteo
22,460.9	CW	FUJ	Noumea Naval, New Caledonia	FC	10.0	French Navy
22,461.0	CW	4X0	Haifa Radio, Israel	FC	2.5	
22,462.0	CW	RNS56	Moscow Radio, USSR	FC	....	TASS Nx
22,463.0	CW	JCU	Choshi Radio, Japan	FC	15.0	
22,464.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	10.0	
22,465.0	CW	9MG12	Penang Radio, Malaysia	FC	....
22,467.0	CW	GKA7	Portishead Radio, England	FC	15.0	(NOAA reports wx broadcasts at 0930 & 1230)
22,467.0	*170/50Nc	UFN	Novorossiysk Radio, USSR	FC	15.0	
22,467.0	CW	KLC	Galveston (Arcadia) Radio, TX	FC	5.0	
22,469.0	CW	CBV	Valparaiso Radio, Chile	FC	....
22,470.0	850/75R	AME3	Madrid Radionaval, Spain	FC	5.0	Spanish Navy
22,471.5	CW	SVD7	Athens Radio, Greece	FC	5.0	
22,472.0	CW	NMO	COMMSTA Honolulu, HI	FC	5.0	USCG/Wx broad- casts at 0100, 0400, 0700 & 2000
22,473.0	CW	CBV	Valparaiso Radiomaritima, Chile	FC	0.7	
22,473.0	CW	LFG	Rogaland Radio, Norway	FC	5.0	AMVER
22,474.0	CW	VIS42	Sydney Radio, NSW, Australia	FC	5.0	AMVER
22,475.0	CW	URD	Leningrad Radio, USSR	FC	10.0	
22,476.0	CW	DAM	Norddeich Radio, GFR	FC	15.0	
22,476.0	CW	NMO	COMMSTA Honolulu, HI	FC	5.0	USCG/NUKO/AMVER
22,477.0	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
22,479.0	CW	CUG	Sao Miguel Radio, Azores	FC	5.0	HX
22,479.0	CW	CUL24	Lisbon Radio, Portugal	FC	15.0	
22,479.0	CW	9VG27	Singapore Radio	FC	5.0	
22,479.0	CW	KPH	San Francisco Radio, CA	FC	30.0	
22,481.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
22,482.0	CW	HLG	Seoul Radio, South Korea	FC	10.0	
22,482.0	CW	DZR	Manila (Bulacan), Philippines	FC	2.0	
22,482.0	CW	RNI9	Guzar, Uzbek SSR	FX	2.5	Tfc
22,484.0	CW	HAR	Budapest Naval Radio, Hungary	FC	5.0	
22,484.0	CW	HZG	Dammam Radio, Saudi Arabia	FC	10.0	
22,485.0	CW	VHP7	COMMSTA Canberra, ACT, Australia	FC	20.0	RA Navy
22,485.0	CW	VIX7	Master Station Canberra, ACT, Australia	FC	20.0	(NOAA reports wx broadcasts at 0130 & 2130)
22,485.0	CW	UBF2	Leningrad Radio, USSR	FC	....
22,485.0	*170/50Nc	UKA	Vladivostok Radio, USSR	FC	25.0	
22,486.0	CW	OMP7	Prague Radio, Czechoslovakia	FC	1.0	
22,486.9	CW	WSL	Amagansett Radio, NY	FC	30.0	
22,490.0	CW	DZZ	Manila Radio, Philippines	FC	0.1	
22,490.0	170/50Rc	UXN	Arkhangelsk Radio, USSR	FC	25.0	TASS Nx RR 0900 (Wednesdays & Saturdays)
22,490.8	CW	....	unknown	FC	....
22,491.4	CW	4X0	Haifa Radio, Israel	FC	2.5	
22,493.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
22,494.0	CW	GKK7	Portishead Radio, England	FC	5.0	
22,495.0	CW	VIS43	Sydney Radio, NSW, Australia	FC	6.3	

kHz	Mode	Call	Location	Service	kW	Remarks
22,495.0	CW	SPH91	Gdynia Radio, Poland	FC	10.0	
22,497.0	CW	UPW2	Liepaja Radio, Latvian SSR	FC	....
22,497.0	CW	UXN	Arkhangelsk Radio, USSR	FC	25.0	
22,497.0	*170/50Nc	UDK2	Murmansk Radio, USSR	FC	20.0	
22,497.0	CW	UQK	Riga Radio, Latvian SSR	FC	5.0	
22,499.1	CW	FUX	Le Port Naval, Reunion	FC	10.0	French Navy
22,500.0	CW	SVF7	Athens Radio, Greece	FC	5.0	
22,501.0	CW	UFN	Novorossiysk Radio, USSR	FC	....
22,502.0	CW	DZG	Manila (Las Pinas) Radio, Philippines	FC	5.0	AMVER(NOAA re-wx broadcasts at 0300 & 1500)
22,503.0	CW	GKG7	Portishead Radio, England	FC	5.0	
22,503.0	CW	WOE	Lantana Radio, FL	FC	5.0	
22,504.0	CW	PRS5	Rio de Janeiro Radio, Brazil	FC	....
22,505.0	CW	SPE91	Szczecin Radio, Poland	FC	10.0	
22,506.0	CW	DZI	Manila (Bacoar) Radio, Philippines	FC	1.0	Reported wx broadcast at 0000
22,507.5	850/75R	ZLO	NAVCOMSTA Waiouri, New Zealand	FC	10.0	RNZ Navy
22,509.0	CW	FLF9	St. Lys Radio, France	FC	10.0	
22,510.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
22,512.0	CW	UAT	Moscow Radio, USSR	FC	....
22,513.5	CW	LPD28	Gen. Pacheco Radio, Argentina	FC	15.0	AMVER
22,515.0	CW	KFS	San Francisco Radio, CA	FC	30.0	(NOAA reports wx broadcasts at 0420, 1620, 2200 & 2300)
22,516.0	CW	DAN	Norddeich Radio, GFR	FC	5.0	
22,517.0	CW	AME3	Madrid Radionaval, Spain	FC	5.0	Spanish Navy
22,518.0	CW	WCC	Chatham Radio, MA	FC	15.0	
22,520.0	CW	UPW2	Liepaja Radio, Latvian SSR	FC	....
22,520.0	850/75N	UQK2	Riga Radio, Latvian SSR	FC	5.0	
22,523.0	CW	FUB	Paris (Houilles) Naval, France	FC	....	French Navy
22,524.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
22,525.0	CW	VAI3	Nakhodka Primorskogo Radio, USSR	FC	....
22,525.1	CW	IRM10	CI RM, Rome Radio, Italy	FC	....	AMVER/Medico
22,525.5	CW	GKH7	Portishead Radio, England	FC	15.0	
22,526.0	CW	XSQ	Guangzhou Radio, PRC	FC	5.0	
22,526.0	FAX	GKN7	Portishead Radio, England	FC	5.0	Meteo
22,527.0	CW	GKM7	Portishead Radio, England	FC	15.0	
22,527.0	*FLB	NRV	COMMSTA Barrigada, Guam	FC	10.0	USCG
22,527.0	*170/50Nc	UAD2	Kholmsk Radio, USSR	FC	25.0	
22,527.0	170/75N	NMF	COMMSTA Boston, MA	FC	5.0	USCG
22,527.9	CW	GK07	Portishead Radio, England	FC	15.0	
22,528.5	CW	GKI7	Portishead Radio, England	FC	15.0	
22,530.0	CW	PWZ33	Rio de Janeiro Naval, Brazil	FC	2.0	Brazilian Navy
22,530.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
22,530.0	*170/50Nc	UCP2	Okotsk Radio, USSR	FC	5.0	
22,530.0	*170/50Nc	UKA	Vladisvostok Radio, USSR	FC	10.0	
22,530.6	CW	....	unknown	FC	....	Tfc/SS
22,532.9	CW	EDZ7	Aranjuez Radio, Spain	FC	5.0	
22,533.0	CW	OST7	Oostende Radio, Belgium	FC	10.0	
22,533.0	CW	ZLB7	Awarua Radio, New Zealand	FC	5.0	AMVER
22,536.0	CW	VPS22	Cape D'aguiar Radio, Hong Kong	FC	3.5	TIME SIGNALS/Tfc
22,538.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	
22,539.0	CW	PCH71	Scheveningen Radio, Netherlands	FC	3.0	AMVER
22,539.9	CW	PJK322	Suffisant Dorp Naval, Curacao	FC	....	Dutch Navy
22,541.0	FAX	JJC	Tokyo Radio, Japan	FC	15.0	Meteo/Nx
22,543.0	CW	7TA12	Algiers Radio, Algeria	FC	10.0	
22,545.0	CW	XSM	Xiamen Radio, PRC	FC	6.0	
22,545.0	CW	GKJ7	Portishead Radio, England	FC	5.0	
22,545.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
22,545.0	170/75R	NMC	COMMSTA San Francisco, CA	FC	5.0	USCG
22,545.0	CW	....	numerous, USA nationwide	FA/FC/FX	...	USCG/Command
			Net Calling Frequency for all "Fixed" Stations [Also used by ships and aircraft]			USCG Coastal
22,547.5	CW	PJK322	Suffisant Dorp Naval, Curacao	FC	....	Dutch Navy
22,550.0	*170/50Nc	UKX	Nakhodka Radio, USSR	FC	5.0	
22,550.9	CW	VWB	Bombay Radio, India	FC	5.0	
22,551.0	CW	SPE92	Szczecin Radio, Poland	FC	10.0	
22,551.0	CW	CTV2	Monsanto Naval, Portugal	FC	5.0	Port. Navy
22,552.0	425/50R	GXA	London (Northwood) Naval, England	FC	6.0	British Navy
22,554.0	CW	OSN422	Oostende Naval, Belgium	FC	1.0	Belgium Navy
22,554.0	CW	LZL7	Bourgas Radio, Bulgaria	FC	1.5	

kHz	Mode	Call	Location	Service	kW	Remarks
22,554.0	CW	LZS39	Sofia Radionaval, Bulgaria	FC	1.0	
22,555.0	CW	UFB	Odessa Radio, Ukrainian SSR	FC	5.0	
22,557.0	CW	KPH	San Francisco Radio, CA	FC	30.0	
22,560.0	CW	URL	Sevastopol Radio, Ukrainian SSR	FC	15.0	
22,562.0	*170/ARQ	GKE7	Portishead Radio, England	FC	5.0	
22,563.0	170/ARQ	FTT91	St. Lys Radio, France	FC	15.0	
22,566.5	*170/ARQ	HEC52	Berne Radio, Switzerland	FC	10.0	
22,567.0	170/FEC	NRV	COMMSTA Barrigada, Guam	FC	5.0	USCG (NOAA reports Northwest Pacific & Indian Ocean forecasts at 0000 & 0500)
22,567.5	CW	UAT	Moscow Radio, USSR	FC	....
22,667.6	*170/ARQ	KPH	San Francisco Radio, CA	FC	15.0	
22,568.0	CW	RIW	Khiva Naval, Uzbek SSR	FC	....	Russian Navy
22,568.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
22,571.6	*170/ARQ	WCC	Chatham Radio, MA	FC	15.0	
(Appears to have a newscast at 1000)						
22,573.6	170/50Nc	UJY	Kaliningrad Radio, USSR	FC	15.0	[3SC]
22,574.0	CW	RNO	Moscow Radio, USSR	FC	....	SAAMC
22,577.0	170/ARQ	SAB932	Goteborg Radio, Sweden	FC	5.0	
22,578.0	*170/ARQ	GKP7	Portishead Radio, England	FC	15.0	
22,580.0	CW	UJQ	Kiev Radio, Ukrainian SSR	FC	....	[RNB27]
22,581.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	....
22,585.6	*170/ARQ	SVU7	Athens Radio, Greece	FC	15.0	
22,585.6	170/FEC					Nx GG 1300-1330
22,587.2	*170/ARQ	LGG3	Rogaland Radio, Norway	FC	5.0	
22,587.9	*170/ARQ	WLO	Mobile Radio, AL	FC	15.0	
22,590.5	170/50Nc	UFB	Odessa Radio, Ukrainian SSR	FC	15.0	TASS Nx RR 0900
22,592.0	*170/ARQ	ZSD64	Durban Radio, RSA	FC	10.0	
22,594.1	170/ARQ	GKQ	Portishead Radio, England	FC	....

22,596.0 - 22,716.9 kHz — MARITIME COAST USB DUPLEX (Worldwide)

22,596.0	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#2201 (22,000.0)
22,596.0	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
[NOAA reports wx broadcasts at 0100, 1300 & 1900]						
22,599.1	USB	....	Rome Radio 2, Italy	FC	7.0	CH#2202 (22,003.1)
22,602.2	USB	....	Goteborg Radio, Sweden	FC	5.0	CH#2203 (22,006.2)
22,602.2b						
22,605.3	USB	LPL	Buenos Aires Radio, Argentina	FC	5.0	CH#2204 (22,009.3)
22,605.3b						
22,605.3c	USB	OHG2	Helsinki Radio, Finland	FC	10.0	" "
22,605.3d	USB	FFL92	St. Lys Radio, France	FC	6.0	" "
22,605.3e	USB	ZSC29	Cape Town Radio, RSA	FC	10.0	" "
22,605.3d	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
22,608.4	USB	PCG71	Scheveningen Radio, Netherlands	FC	10.0	CH#2205/AMVER (22,012.4)
22,608.4b						
22,608.4c	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	" "
22,608.4d						
[NOAA reports wx broadcasts at 0100, 1300 & 1900]						
22,611.5	USB	GKT76	Portishead Radio, England	FC	10.0	CH#2206 (22,015.5)
22,611.5b						
22,611.5c	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA; NMO, Honolulu, HI & NOJ, Kodiak, AK			
22,611.5d						
22,611.5e						
22,614.6	USB	DAJ	Norddeich Radio, GFR	FC	10.0	CH#2207 (22,018.6)
22,614.6b						
22,614.6c	USB	....	Moscow Radio, USSR	FC	10.0	" "
22,617.7	USB	LFN32	Rogaland Radio, Norway	FC	10.0	CH#2208 (22,021.7)
22,617.7b						
22,620.8	USB	SVN7	Athens Radio, Greece	FC	5.0	CH#2209 (22,024.8)
22,620.8b						
22,620.8c	USB	4XO	Haifa Radio, Israel	FC	10.0	" "
22,623.9	USB	WOO	New York (Ocean Gate, NJ) Radio, NY	FC	10.0	CH#2210 (22,027.9)
[NOAA reports wx broadcasts at 0200, 1400 & 2000]						
22,623.9b						
22,627.0	USB	....	Rome Radio 2, Italy	FC	7.0	CH#2211 (22,031.0)
22,627.0b						
22,627.0c	USB	....	Goteborg Radio, Sweden	FC	5.0	" "
22,630.1	USB	5BA72	Cyprus Radio, Cyprus	FC	10.0	CH#2212 (22,034.1)
22,630.1b						
22,630.1c	USB	GKU72	Portishead Radio, England	FC	10.0	" "

kHz	Mode	Call	Location	Service	kW	Remarks
22,633.2	USB	....	Moscow Radio, USSR	FC	5.0	CH#2213
22,633.2b						(22,037.2)
22,636.3	USB	HEB52	Berne Radio, Switzerland	FC	10.0	CH#2214
22,636.3b						(22,040.3)
22,639.4	USB	FFL95	St. Lys Radio, France	FC	6.0	CH#2215
22,639.4b						(22,043.4)
22,639.4c	USB	LFN35	Rogaland Radio, Norway	FC	10.0	" "
22,639.4d	USB	SPC91	Gydnia Radio, Poland	FC	5.0	" "
22,639.4e	USB	WOM	Miami Radio, FL	FC	10.0	" "
				[NOAA reports wx broadcast at 1230]		
22,642.5	USB	ICB	Genoa Radio 2, Italy	FC	7.0	CH#2216
						(22,046.5)
22,642.5	USB	WOM	Miami Radio, FL	FC	10.0	" "
				[NOAA reports wx broadcast at 1330]		
22,645.6	USB	SVN7	Athens Radio, Greece	FC	5.0	CH#2217
						(22,049.6)
22,648.7	AM	....	Izmail Radio, Ukrainian SSR	FC	....	CH#2218
						(22,052.7)
22,648.7	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA; NMO, Honolulu, HI & NOJ, Kodiak, AK			
22,651.8	USB	3AC22	Monaco Radio, Monaco	FC	10.0	CH#2221
						(22,055.8)
22,651.8	USB	SPO91	Szczecin Radio, Poland	FC	10.0	" "
22,654.9	USB	GKU70	Portishead Radio, England	FC	10.0	CH#2220
						(22,058.9)
22,654.9	USB	HEB72	Berne Radio, Switzerland	FC	10.0	" "
22,658.0	USB	INTERNATIONAL COAST STATION CALLING FREQUENCY				CH#2221
						(22,062.0)
22,661.1	USB	DAH	Norddeich Radio, GFR	FC	10.0	CH#2222
						(22,065.1)
22,661.1	USB	WOM	Miami Radio, FL	FC	10.0	" "
22,664.2	USB	KMI	San Francisco Radio, CA	FC	10.0	CH#2223
						(22,068.2)
22,667.3	USB	SVN7	Athens Radio, Greece	FC	5.0	CH#2224
						(22,071.3)
22,670.4	USB	....	.....	FC	....	CH#2225
						(22,074.4)
22,673.5	*USB	FFL91	St. Lys Radio, France	FC	6.0	CH#2226
						(22,077.5)
22,676.6	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#2227
						(22,080.6)
22,676.6	USB	....	Sevastopol, USSR	FC	....	" "
22,679.7	USB	LFN38	Rogaland Radio, Norway	FC	10.0	CH#2228
						(22,083.7)
22,682.8	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#2229
						(22,086.8)
22,685.9	USB	....	Goteborg Radio, Sweden	FC	5.0	CH#2230
						(22,089.9)
22,685.9	USB	5BA	Cyprus Radio, Cyprus	FC	1.0	" "
22,689.0	USB	FFL94	St. Lys Radio, France	FC	6.0	CH#2231
						(22 093.0)
22,689.0	USB	SVN7	Athens Radio, Greece	FC	5.0	" "
22,692.1	USB	....	Kaliningrad Radio, USSR	FC	....	" "
22,692.1	USB	PGG72	Scheveningen Radio, Netherlands	FC	10.0	CH#2232
						(22,096.1)
22,692.1	USB	HEB62	Berne Radio, Switzerland	FC	10.0	" "
22,695.2	USB	LFN40	Rogaland Radio, Norway	FC	10.0	CH#2233
						(22,099.2)
22,698.3	USB	LFN41	Rogaland Radio, Norway	FC	10.0	CH#2234
						(22,102.3)
22,701.4	USB	FFL93	St. Lys Radio, France	FC	6.0	CH#2235
						(22,105.4)
22,701.4	USB	SVN7	Athens Radio, Greece	FC	5.0	" "
22,704.5	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#2236
						(22,108.5)
22,704.5	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
22,707.6	USB	LFN43	Rogaland Radio, Norway	FC	10.0	CH#2237

kHz	Mode	Call	Location	Service	kW	Remarks
						(22,111.6)
22,707.6	USB	WLO	Mobile Radio, AL	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 1300 & 1800)			
22,710.0	CW	RIN	Khiva Naval Radio, USSR	FC	....
22,710.7	USB	PPR	Rio Radio, Brazil	FC	1.0	CH#2238
						(22,114.7)
22,712.8	425/75R	....	unknown	FX	....	Tfc/EE
22,713.8	USB	LFN44	Rogaland Radio, Norway	FC	10.0	CH#2239
						(22,117.8)
22,713.8	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
22,716.9	USB	GKX7Ø	Portishead Radio, England	FC	10.0	CH#2240
						(22,120.9)
22,716.9	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
22,716.9	USB	LFN45	Rogaland Radio, Norway	FC	10.0	" "
22,720.0 - 23,200.0 kHz -- FIXED SERVICE (Worldwide)						
22,721.8	425/50N	....	unknown	FX	....
22,722.0	170/50R	Y7A83	Berlin (Nauen), GDR	FX	20.0	ADN/EMBASSY
22,725.0	850/...e	....	several, worldwide	FX	....	French Navy
22,727.0	425/50R	ETQ37	Addis Ababa, Ethiopia	FX	1.0	GDR EMBASSY
22,728.0	850/50N	JMG6	Tokyo, Japan	FX	5.0	Meteo
22,732.0	425/50R	Y7A84	Berlin (Nauen), GDR	FX	10.0	MFA
22,732.0	F7B	RCV2Ø	Moscow, USSR	FX	20.0	
22,738.0	850/50N	ZVK	Rio de Janeiro Aeradio, Brazil	AX	1.0	Tfc/Dakar
22,739.5	850/50N	CLP1	Havana, Cuba	FX	....	MINREX
22,740.0	B8E	GBW42	London (Rugby), England	FX	30.0	Telcom/Accra
22,746.0	425/75N	4UT	Bangkok, Thailand	FX	....	UN
22,747.0	425/50R	....	Rome, Italy	FX	....	MFA
22,748.1	170/...e	....	unknown	FX	....	Idling
22,750.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
22,750.0	425/75N	4UA	Kawalpindi, Pakistan	FX	10.0	UN
22,750.0	425/...e	....	unknown	FX	....
22,752.0	425/...e	....	unknown	FX	....
22,755.0	425/50Rc	RUZU	Molodezhnaya Base, Antarctica	FX	....	USSR/Meteo/Tfc
22,758.5	USB	ETV28	Addis Ababa, Ethiopia	FX	5.0	Telcom/Rome
22,760.0	LSB	....	"ABNORMAL", Vandenberg AFB, CA	FX	....	USAF/WTR
22,761.0	425/50R	GDW42	London (Dorchester), England	FX	30.0	AP Nx 1100-1500
						[Beamed to the Middle East]
22,764.0	850/...e	NSS	NAVCOMMSTA Washington, DC	FC	15.0	USN
22,767.6	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
22,770.0	FAX	JMH6	Tokyo, Japan	FX	5.0	Meteo
22,770.0	F7B	RKB51	Moscow, USSR	FX	20.0	
22,773.0	850/...e	....	unknown	FX	....
22,775.0	850/50N	9VF235	Singapore	FX	5.0	ANSA
22,777.0	FAX	JJC	Tokyo, Japan	FX	....	Meteo
22,777.6	425/50N	GHH	Jamestown, St. Helena Island	FX	1.0	Meteo
						(1000 & 1400)
22,780.0	425/50R	UCA	Odessa, Ukrainian SSR	FX	5.0	Tfc/Havana
22,782.0	425/50R	RDD73	Moscow, USSR	FX	20.0	TASS Nx EE 0500-1245
						[Beamed to India & Pakistan]
22,782.6	425/75N	WFN62	New York, NY	FX	....	USIA Nx EE 1700-2000
						[Beamed to Central & South America]
22,783.5	USB	MKT	London (Stanbridge), England	FX	10.0	DCN
22,787.2	*425/50R	YZK4	Belgrade, Yugoslavia	FX	30.0	TANJUG
						[Non-directional]
22,790.9	425/50R	RBK7Ø	Moscow, USSR	FX	20.0	TASS Nx EE 0600-1430
						[Beamed to West Africa]
22,800.0	425/75N	CME333	Havana, Cuba	FX	1.0	Czech EMBASSY
22,800.0	425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
22,800.0	FAX	Y2V27	Berlin (Nauen), GDR	FX	20.0	
22,800.0	425/50N	Y2V27	" "	FX	20.0	ADN
						[Beamed to the Far East]
22,807.2	850/...e	....	unknown	FX	....
22,809.0	425/50R	HGX35	unknown	FX	....	Hungarian EMBASSY
22,810.0	850/75Re	NBA	NAVCOMMSTA Balboa, Panama	FX	10.0	USN
22,813.0	425/50N	Y2V29	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE/FF
						0700-0750 & 1000-1050
						[Beamed to Southeast Asia]
						ADN Nx EE/FF/SS

kHz	Mode	Call	Location	Service	kW	Remarks
Nx EE 0900-0950 (Sundays, only)						
Nx EE/FF/SS 1100-1150						
1400-1445						
[Beamed to Latin America]						
22,813.0	CW	ULV	Moscow, USSR	FX	10.0	
22,816.0	F1B	RZD44	unknown	FX	....	Tfc/OMV63
22,818.0	425/75R	CME369	Havana, Cuba	FX	1.0	PRC EMBASSY
22,820.0	*425/75N	OMZ	Prague, Czechoslovakia	FX	1.0	MFA
22,821.0	F7B	RNE35	Moscow, USSR	FX	20.0	
22,827.0	850/50R	OFF22	Helsinki, Finland	FX	10.0	
22,831.0	425/75R	RKB53	Moscow, USSR	FX	20.0	APN
22,832.3	425/50N	3ZB201	Warsaw, Poland	FX	....	Academy of Sciences
22,835.0	F1B	ATL73	New Delhi, India	FX	12.0	PTI
22,842.5	850/75Ne	ZLK38	Christchurch Naval, New Zealand	FX	15.0	NSF/USN
22,843.0	425/75R	RHA49	Moscow, USSR	FX	20.0	APN
22,845.0	170/50R	D2J36	Luanda, Angola	FX	25.0	ANGOP FF Nx
1030-1130 [Beamed to Europe]						
1330-1430 [Beamed to Central America]						
1730-8130 [Beamed to Europe]						
2030-2100 [Beamed to Central America]						
22,848.0	*850/50R	ONN36	Brussels, Belgium	FX	1.0	Angola EMBASSY
22,851.5	LSB	....	Harare, Zimbabwe	FX	20.0	Telcom
22,855.0 - 23,200.0 — FIXED SERVICE (Worldwide)						
22,860.0	*850/...e	FUG	La Regine Naval, France	FX	2.0	French Navy
22,860.0	F7B	RNQ20	Irkutsk, USSR	FX	15.0	
22,862.0	850/75R	ZRH	Cape (Fisantekraal) Naval, RSA	FX	....	RSA Navy
22,865.0	FAX	NPO	San Miguel (Capas), Philippines	FX	15.0	USN/Meteo
22,866.0	170/50N	5YE	Nairobi, Kenya	FX	30.0	Meteo
22,867.0	FAX	5YE	Nairobi, Kenya	FX	30.0	Meteo
22,870.0	F7B	RBK71	Moscow, USSR	FX	20.0	
22,872.1	850/75N	YWM3	Maracaribo Naval, Venezuela	FX	....	Venezuelan Navy
22,880.0	850/75Ne	GYA	London (Northwood) Naval, England	FX	10.0	British Navy
22,882.5	425/75Ne	....	unknown	FX	....
22,885.0	425/50N	Y2V28	Berlin (Nauen), GDR	FX	20.0	ADN Nx EE 0600-0750
(Not on Sundays)						
Nx AA 0800-0950						
Nx EE 1000-1150						
Nx AA 1200-1250						
(Not on Sundays)						
Nx EE 1400-1550						
Nx AA 1700-1750						
2000-2050						
[Beamed to North Africa & the Middle East]						
22,885.2	USB	....	unknown	FX	....	LETTERS/OM/GG/5
22,888.0	425/75N	....	Beijing, PRC	FX	....	Czech EMBASSY
22,890.0	*425/...e	....	Villacoublay, France	FX	10.0	French AF
22,890.0	425/50R	RKB56	Moscow, USSR	FX	15.0	TASS Nx EE 0600-1430
[Beamed to West Africa]						
22,900.0	850/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	....	Brazilian Navy
22,900.0	F1B	GLI42	London (Ongar), England	FX	15.0	Nx
22,900.0	425/75R	RDT58	Krasnoirarsk, USSR	FX	20.0	APN
22,900.3	850/75N	KUN94	unknown	FX	....	FOXES
22,904.5	*170/...e	....	unknown	FX	....
22,905.0	425/50N	DGW90	Cologne (Elmshorn), GFR	FX	20.0	
22,905.5	350/50N	9KT388	Huban, Kuwait	FX	10.0	KUNA Nx EE 1000-1300
1600-1800						
[Beamed to the Far East]						
22,909.5	350/50N	9KT388	Huban, Kuwait	FX	10.0	KUNA Nx AA 0700-1100
1400-1700						
[Beamed to the Far East]						
22,910.0	850/50N	9VF236	Singapore	FX	8.0	
22,914.8	425/50N	FTW91	Paris (St. Assise), France	FX	2.0	DIPLO Nx FF
[Beamed to North & South America]						
22,914.8	425/50Nc	....	unknown	FX	....
22,916.5	F1B	GLK42	London (Dorchester), England	FX	30.0	AP Nx 0600-1200

kHz	Mode	Call	Location	Service	kW	Remarks
[Beamed to the Middle East & East Africa]						
22,917.0	850/....	....	numerous, USA nationwide	FX	....	USN
22,919.0	850/....	NWC	NAVCOMMSTA NW Cape, WA, Australia	FX	10.0	USN
22,925.0	F7B	RNB21	Kiev, Ukrainian SSR	FX	25.0	
22,925.0	FAX	WFN52	New York, NY	FX	50.0	UPI Nx
22,930.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
22,934.0	850/50R	J2B29	Djibouti	FX	20.0	Tfc/Paris
22,945.0	850/....	....	several, Pacific Ocean area	FX	....	USN
22,950.0	425/50R	Y7A86	Berlin (Nauen), GDR	FX	20.0	MFA
22,954.6	425/50R	ISX22	Rome, Italy	FX	10.0	ANSA Nx EE 0800-0900 Nx FF 0900-1000 Nx EE 1100-1200 Nx EE 1500-1600 Nx FF 1600-1700
(No newscasts on Sundays) [Beamed to the Middle East]						
22,954.8	B8E	5UR29	Niamey, Niger	FX	20.0	Telcom/Tfc
22,955.0	B8E	....	Delano, CA	FX	50.0	VOA Feeder
22,955.0	425/75N	†....	Delano, CA	FX	40.0	USIA
22,955.0	425/75N	†....	Dixon, CA	FX	40.0	USIA
22,955.0	LSB	....	several, in Atlantic Ocean area	FX	....	USAF/NASA
22,959.0	425/75R	RKB57	Moscow, USSR	FX	20.0	APN
22,960.0	USB	HBD41	Pretoria, RSA	FX	0.1	Swiss EMBASSY
22,960.0	*425/50R	KNY27	Washington, DC	FX	1.0	Swiss EMBASSY
22,962.9	425/50R	HBD20	Berne, Switzerland	FX	1.0	MFA
22,964.0	*425/45Ne	....	several, USA nationwide	FX	....	FCC Backup Net
22,970.0	B8E	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
22,973.0	850/....	....	unknown	FX	....
22,977.5	425/50R	CLN663	Havana (Bauta), Cuba	FX	15.0	Tfc/Moscow
22,984.0	USB	AFE83	Ascension Island	FX	12.5	USAF/NASA
22,985.0	850/50R	OFF32	Helsinki, Finland	FX	20.0	
22,987.5	425/75R	RCV22	Moscow, USSR	FX	20.0	APN Nx EE 0900
22,990.1	170/ARQ	....	unknown	FX	....	REAL3-13
22,996.0	...	AFE83	Ascension Island	FX	....
23,009.5	USB	CXL48	Montevideo, Uruguay	FX	4.0	Telcom
23,010.0	850/75N	PWZ	Rio de Janeiro Naval, Brazil	FX	1.5	Brazilian Navy
23,012.5	850/....	....	numerous, USA nationwide	FX	....	USN
23,013.0	170/50*	MKG	London (Stanbridge), England	FX	5.0	DCN
23,015.0	850/50N	9VF237	Singapore	FX	8.0	
23,018.0	CW	....	unknown	FX	....	Polish Text
23,030.0	FLB	....	Beijing, PRC	FX	....	Bulgarian EMBASSY
23,030.0	CW	CLP3	unknown	FX	....	Cuban EMBASSY
23,030.2	>425/50R	....	Algiers	FX	....	Cuban EMBASSY
23,035.0	425/45Ne	KAA60	Grand Island, NE	FX	1.0	FCC
23,038.0	B8E	70B230	Aden, PDR Yemen (South)	FX	3.0	Telcom
23,040.0	USB	....	Stockholm Airport, Sweden	FA	....
23,045.0	425/75R	CNM95	Tangier, Morocco	FX	10.0	Tfc/Monrovia
23,050.0	850/....	NPN	NAVCOMMSTA Agana, Guam	FX	15.0	USN
23,054.8	CW	4XZ	Haifa Naval, Israel	FX	....	Israel Navy
23,057.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
23,060.0	425/75R	RKE34	Moscow, USSR	FX	20.0	APN
23,061.3	170/50R	PPN9	Brasilia, Brazil	FX	....	Meteo
23,068.5	FAX	AFA	Washington (Andrews AFB, MD), DC	FX	....	USAF/Meteo
23,074.6	850/FSK	WFN23	New York, NY	FX	50.0	Nx (also FAX/FSK)
23,075.0	*850/50N	WFN23	New York, NY	FX	50.0	AP
[Beamed to South America]						
23,094.0	850/50R	GYU	Gibraltar Naval	FX	5.0	British Navy
23,095.0	425/75R	....	Belgrade, Yugoslavia	FX	....	TANJUG
(Occasionally Serbo-Croat Nx to EMBASSIES)						
23,100.0	850/....	....	numerous, worldwide	FX	....	USN
23,100.0	USB	VCR976	Ottawa, Ont., Canada	FX	1.0	Saudi Arabian EMBASSY [Alt: 17,624.0]
23,101.0	B8E	AFH3	Albrook AFS, Canal Zone	FX	3.0	USAF
23,102.5	USB	ETW21	Addis Ababa, Ethiopia	FX	1.0	Nigerian EMBASSY
23,102.8	425/75N	RNW73	Khabarovsk, USSR	FX	....	APN Nx EE 1500
23,104.0	425/50R	ETW21	Addis Ababa, Ethiopia	FX	1.0	Nigerian EMBASSY
23,104.0	425/50R	SRZ911	Warsaw, Poland	FX	1.0	Nigerian EMBASSY
23,104.9	170/ARQ	....	Cairo, Egypt	FX	....	MFA
23,117.0	425/50R	YZM4	Belgrade, Yugoslavia	FX	30.0	TANJUG
[Beamed to Australasia]						

kHz	Mode	Call	Location	Service	kW	Remarks
23,120.0	USB	....	unknown	FX	....	NUMBERS/YL/GG
23,130.0	F1B	ATR73	New Delhi, India	FX	40.0	ISI Nx EE 0940-1040
			(No newscasts on Sundays)	[Beamed to Europe & Middle East]		
23,131.5	USB	....	unknown	FX	....	Telcom/FF
23,137.5	B8E	FPX3	Paris (St. Assise), France	FX	20.0	Telcom/Cotonou
23,138.0	F7B	UZLZ	Lvov, Ukrainian SSR	FX	60.0	
23,143.7	LSB	GLK43	London (Rugby), England	FX	20.0	Telcom/Lagos
23,147.0	USB	....	unknown	FX	....	Military Net/EE Tfc
23,150.0	850/50N	RPFN	Monsanto Naval, Portugal	FX	....	Port. Navy
23,150.2	USB	FPX5	Paris (St. Assise), France	FX	20.0	Telcom/Bangui
23,152.0	850/75N	OBC	Lima, Peru	...	....	Peruvian Navy
23,152.5	850/75N	OBC	Callao Naval, Peru	FX	....	Peruvian Navy
23,157.7	425/50Rc	UJY	Kaliningrad, USSR	FX	....
23,157.8	425/50N	9KT39	Huban, Kuwait	FX	10.0	KUNA
23,160.0	850/50N	ASS33	Karachi, Pakistan	FX	30.0	
23,160.1	425/75N	....	unknown	FX	....	MFA
23,164.7	425/50R	....	unknown, possibly in the USA	FX	....	Korean EMBASSY
23,165.0	CW	FUV	Djibouti Naval	FX	2.0	French Navy
23,165.0	850/50N	9VF238	Singapore	FX	5.0	
23,165.0	CW	FUM	Papeete Naval, Tahiti	FX	2.0	French Navy
23,165.0	850/....e	....	several, worldwide	FX	....	French Navy
23,178.2	Piccolo	....	unknown	FX	....	British EMBASSY
23,185.0	425/50R	CNM96	Rabat (Tangier), Morocco	FX	10.0	MAP
				[Beamed to South America]		
23,191.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder

23,200.0 - 23,350.0 kHz — AERONAUTICAL FIXED & MOBILE (Worldwide)

23,210.0	USB	....	Port Harcourt, Nigeria	FA/MA	...	Commercial Tfc
23,210.0	USB	SHN33	Stockholm Radio, Sweden	FA/MA	...	Tfc/Nigeria
23,212.0	F1B	....	unknown	FX	....
23,220.0	USB	....	unknown probably England	...	....	clg "ARCHITECT"
23,221.0	USB	....	"Diego Tower", Diego Garcia	FA/MA	....	USN/USAF
23,225.0	USB	....	Berlin (Scheonefeld)	...	....
23,227.0	USB	....	"DIEGO GARCIA TOWER", Diego Garcia	FA/MA	....	USAF
23,227.0	USB	AGA8	Clark AFB, Philippines	FA/MA	....	USAF
23,234.0	CW	FDX	Paris, France	FA	...	French AF
23,263.5	USB	....	several, worldwide	FA/MA	....	USAF
23,265.0	B8E	AFA	Andrews AFB, MD	FA/MA	....	USAF
23,281.0	USB	....	numerous, worldwide	FA/MA	....	USN
23,284.0	USB	....	numerous, worldwide	FA/MA	....	USN
23,285.0	USB	HEE91	Berne Radio, Switzerland	FA/MA	6.0	
23,287.0	CW	ZRB2	Pretoria (Waterkloof AFB), RSA	FA	5.0	RSA Air Force
23,287.0	USB	....	numerous, worldwide	FA/MA	...	USAF (Now in- frequently used for SKY KING broadcasts)
23,298.0	USB	....	numerous, worldwide	FA/MA	....	USN
23,305.0	CW	FKO	Djibouti Naval	FA	....	French Navy
23,307.0	USB	....	Jeddah Radio, Saudi Arabia	FA/MA	....
23,312.0	USB	....	numerous, Pacific Ocean area	FA/MA	....	USN
23,316.0	850/....e	NGR	NAVCOMMSTA Nea Makri, Greece	FX	1.0	USN
23,331.4	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo (1900-2045)
23,335.0	USB	"M"	unknown	FX	....	"to S, go to F1"
23,337.0	USB	....	several, worldwide	FA/MA	3.0	USAF (Usually AJE, Croughton, England; AJG9, Incirlik AB, Turkey; XPH, Thule, Greenland; etc.—sometimes referred to as the "UNI- FORM" frequency)

23,350.0 - 24,890.0 kHz — FIXED SERVICE (Worldwide)

23,351.0	850/50N	ZRH96	Cape (Fisantekraal) Naval, RSA	FX	10.0	RSA Navy
23,354.1	170/....e	....	unknown	FX	....
23,357.5	850/....e	FUB	Paris (Houilles) Naval, France	FX	20.0	French Navy
23,365.0	CW	FKO	Djibouti Naval	FX	....	French Navy
23,370.0	425/100N	HZN50	Jeddah Aeradio, Saudi Arabia	FX	10.0	Meteo
23,370.0	425/50N	HZN50	Jeddah, Saudi Arabia	FX	10.0	Meteo
23,375.0	F7B	RHK21	Kuibyshev, USSR	FX	25.0	
23,376.0	*170/75R	CYS22	Ottawa, Ont., Canada	FX	1.0	Polish EMBASSY
23,381.5	170/50*	MKD	Akrotiri, Cyprus	FX	30.0	DCN

kHz	Mode	Call	Location	Service	kW	Remarks
23,389.0	850/50R	LOR	Puerto Belgrano Naval, Argentina	FX	3.0	Argentine Navy
23,390.0	B8E	9VF239	Singapore (Jurong)	FX	8.0	Telcom/Tfc
23,391.0	425/75R	L0L	Buenos Aires Naval, Argentina	FX	1.0	Argentine Navy
23,400.0	425/50R	Y7A87	Berlin (Nauen), GDR	FX	20.0	MFA
23,402.5	USB	KUR2Ø	Honolulu, HI	FX	1.0	
23,402.5	USB	KUR5Ø	Agana, Guam	FX	1.0	
23,404.0	*F1B	†KUR5Ø	Agana, Guam	FX	1.0	
23,404.0	*F1B	†KUR2Ø	Honolulu, HI	FX	1.0	
23,407.0	USB	....	numerous, USA nationwide	FX	....	USAF (Includes: AFD3, Pentagon [Ft. Richie, MD], VA; AFD4, Norfolk, VA; AFE7, MacDill AFB, FL; AFG4Ø, Colorado Springs, CO, AFS, Offutt AFS, NE; etc.)
23,408.0	CW	SOY24Ø	Warsaw, Poland	...	....	PAP Nx Polish
23,410.0	CW	SOY241	Warsaw, Poland	...	....	PAP Nx Polish 1400-1500
23,410.0	850/50N	9VF266	Singapore	FX	5.0	
23,413.0	B9W	AFE71	"CAPE RADIO", Canaveral AFS, FL	FX	45.0	USAF/NASA
23,415.0	425/50R	GYU	Gibraltar Naval	FX	5.0	British Navy
23,419.0	USB	AFE7	MacDill AFB, FL	FX	1.0	USAF
23,419.0	USB	AFS	Offutt AFB, NE	FX	1.0	"
23,419.0	USB	AFG4Ø	Colorado Springs, CO	FX	1.0	"
23,420.0	B8E	HEO22	Berne, Switzerland	FX	4.0	Telcom/Uruguay
23,425.0	CW	KKN44	Monrovia, Liberia	FX	1.0	USA EMBASSY
23,430.0	850/50N	ZEN234	Cape D'Aguilar, Hong Kong	FX	10.0	Tfc/Karachi
23,445.4	425/....	....	....	FX	....
23,446.1	850/75N	KRH51	London, England	FX	1.0	USA EMBASSY
23,455.0	425/75N	MUS	COMMCEEN Hong Kong, Hong Kong	FX	....	[RBMVAB] [AEA] Gurkha Battalion to Kathmandu, Nepal)
23,460.1	425/50R	Y7A88	Berlin (Nauen), GDR	FX	20.0	MFA
23,460.1	CW	Y7G59	New Delhi, India	FX	....	GDR EMBASSY
23,462.0	B8E	9GN29	Accra, Ghana	FX	8.0	Telcom/London
23,467.1	LSB	5ØV234	Lagos (Ikorodu), Nigeria	FX	30.0	Telcom/Tfc
23,475.0	F7B	RNG3Ø	Kuibychev, USSR	FX	25.0	
23,480.0	USB	....	unknown	FX	....	NUMBERS/GG/YL
23,480.7	850/....	....	unknown	FX	....
23,494.4	850/50R	....	Havana, Cuba	FX	....	FOXES
23,496.5	425/50	....	unknown	...	....	Nx EE 1230/IINA
23,504.6	425/75R	SAM51	Teheran, Iran	FX	....	Swedish EMBASSY
23,504.6	425/75R	SAM	Stockholm, Sweden	FX	1.2	MFA
23,510.0	B8E	IRV25	Rome (Torrenova), Italy	FX	20.0	Telcom
23,516.1	125/....	....	unknown	FX	....
23,520.0	500/50N	3ZB2Ø1	Arctowski Base, Antarctica	FX	....	Polish (clg 3ZL3Ø1)
23,525.0	F7B	RH4AØ	Vitebsk, White Russian SSR	FX	60.0	
23,525.0	CW	RCV	Moscow Naval, USSR	FX	....	Russian Navy
23,527.7	F1B	SAM71	Dar es Salaam, Tanzania	FX	....	Swedish EMBASSY
23,527.8	F1B	SAM72	Kinshasa, Congo	FX	....	Swedish EMBASSY
23,528.0	425/75R	SAM59	Hanoi, Vietnam	FX	....	Swedish EMBASSY
23,528.0	425/75R	SAM75	Nairobi, Kenya	FX	....	Swedish EMBASSY
23,529.0	425/75N	SAM81	Bissau, Guinea Bissau	FX	1.0	Swedish EMBASSY
23,529.0	USB	SAM	Stockholm, Sweden	FX	1.2	MFA
(Usually heard Swedish EMBASSIES include: SAM7Ø, Addis Ababa, Ethiopia; SAM74, Monrovia, Liberia; SAM8Ø, Gabon, Botswana; SAM81, Bissau, Guinea-Bissau; SAM82, Maputo, Mozambique; etc.) [Alt: 26,660.0]						
23,530.0	850/50N	9VF267	Singapore	FX	5.0	
23,543.5	250/50R	†GF143	London (Oxford), England	FX	75.0	REUTERS [Beamed to Africa]
23,548.0	170/ARQ	PCW1	The Hague, Netherlands	FX	....	MFA
23,550.0	425/50R	YZM5	Belgrade (Makis), Yugoslavia	FX	30.0	TANJUG [Non-directional]
23,558.5	170/ARQ	PCW1	The Hague, Netherlands	FX	1.2	MFA
23,568.5	*F1B	PCW2	Jerusalem, Israel	FX	1.0	Dutch EMBASSY
23,570.0	425/75N	PCW	Jerusalem, Israel	FX	0.8	Dutch EMBASSY
23,570.0	425/75N	Z2H26	Harare, Zimbabwe	FX	1.0	" "
23,570.0	170/ARQ	PCW12	Kinshasa, Zaire	FX	....	" "
23,572.2	170/ARQ	PCW16	Accra, Ghana	FX	....	Dutch EMBASSY
23,586.0	425/75R	SAM52	Tel Aviv, Israel	FX	....	Swedish EMBASSY
23,590.0	CW	FUV	Djibouti Naval	FX	....	French Navy
23,590.0	CW	FUM	Papeete Naval, Tahiti	FX	2.0	French Navy
23,590.0	1000/75Rc	....	unknown	FX	....

kHz	Mode	Call	Location	Service	kW	Remarks
23,595.0	850/50N	9VF241	Singapore	FX	8.0	
23,615.0	B8E	5VH436	Lome, Togo	FX	20.0	Telcom/Paris
23,621.0	FAX	....	unknown	FX	....
23,623.0	USB	....	unknown	FX	....	nyet nyet
23,634.0	425/50N	....	unknown	FX	....	Coded Tfc
23,642.0	850/75N	KWS78	Athens, Greece	FX	....	USA EMBASSY
23,645.0	425/50R	YZH3	Belgrade, Yugoslavia	FX	30.0	TANJUG
23,646.0	170/50*	MKD	Akrotiri, Cyprus	FX	....	DCN
23,650.0	850/...e	....	numerous, worldwide	FX	....	USN
23,654.8	USB	....	unknown, probably in North America	FX	....
23,655.0	425/50R	YZH4	Belgrade, Yugoslavia	FX	30.0	TANJUG
23,657.0	850/...e	....	unknown	FX	....
23,661.5	850/...e	....	unknown	FX	....
23,665.0	F7B	VER	Ottawa, Ont., Canada	FX	10.0	Canadian Forces
23,668.2	CW	....	unknown	FX	....	VVV's
23,675.1	USB	CES210	Easter Island	FX	....
23,683.0	F7B	UFMA	Gomel, White Russian SSR	FX	60.0	
23,684.0	425/75N	....	unknown, probably in Caribbean	FX	....
23,690.0	425/75N	4UT	Bangkok, Thailand	FX	5.0	[BKK] UNESCO
23,692.5	425/...e	....	unknown	FX	....
23,700.0	425/50N	ISX23	Rome (Torrenova), Italy	FX	10.0	IINA
				[Beamed to South America]		
23,716.5	425/50N	WFG83	New York, NY	FX	50.0	AFP Nx SS 1515-2300
				[Beamed to Central & South America]		
23,722.0	425/75R	4UZ53	Geneva, Switzerland	FX	20.0	UN
			(Also occasionally reported on this frequency have been 4UA, Rawalpindi, Pakistan; 4UF, Addis Ababa, Ethiopia; 4UN, Jerusalem, Israel; 4US, Nicosia, Cyprus; etc.)			
23,751.0	350/50N	FTX5/H1	Paris (Le Vernet), France	FX	30.0	AFP
23,770.2	425/75N	WFG93	New York, NY	FX	50.0	USIA Nx EE 1730-1930
				[Beamed to Central & South America]		
23,789.4	USB	....	unknown	FX	....	Telcom
23,795.0	B8E	9GN30	Accra, Ghana	FX	8.0	Telcom/Tfc
23,799.0	425/50N	....	Maputo, Mozambique	FX	....	Czech EMBASSY
23,801.0	850/75R	GYU	Gibraltar Naval	FX	....	British Navy
23,811.7	B8E	FZT38	Bel Air, Reunion	FX	20.0	Telcom
23,817.5	B9W	CUA94	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
23,832.0	CW	3ZL301	King George Island, Antarctica	FX	....	Polish Expedition
23,840.0	850/...e	FUF	Fort de France Naval, Martinique	FX	10.0	French Navy
23,850.0	CW	GYC	London (Northwood), England	FX	5.0	RN "FM LANSENRADIO TO P
23,850.0	USB	ZEG26	Harare, Zimbabwe	FX	20.0	Telcom/London
23,860.0	*F1B	CLP1	Havana, Cuba	FX	....	MINREX
23,862.5	*850/75N	†KKN51	Washington, DC	FX	15.0	State Dept.
23,865.0	425/50N	CLP1	Havana, Cuba	FX	....	MINREX
23,867.5	425/...e	....	Etampes Air, France	FX	20.0	French AF
23,880.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	USN/Meteo
23,894.0	B8E	FTX89	Paris (St. Assise), France	FX	20.0	Telcom
23,898.0	425/75R	OMZ	Prague, Czechoslovakia	FX	....	MFA
23,918.2	170/...e	....	unknown	FX	....
23,925.0	LSB	5OU239	Lagos, Nigeria	FX	....	Telcom
23,964.0	F1B	....	Cotonou, Benin	FX	....	MFA
23,972.5	FAX	KUZU	Molodezhnaya Base, Antarctica	FX	....	Meteo
23,975.0	CW	RRNS0	Washington, DC	FX	15.0	State Dept.
23,979.5	850/75N	LOL	Buenos Aires Naval, Argentina	FX	....	Argentine Navy
23,982.5	CW	KKN52	Washington, DC	FX	15.0	US State Dept.
23,985.3	850/75N	"RUES"	unknown	FX	....	USAF
23,999.9	425/50N	Y7A89	Berlin (Nauen), GDR	FX	20.0	MFA
24,005.0	CW	Y7G34	Hanoi, Vietnam	FX	....	GDR EMBASSY
24,015.2	425/50N	PWZ	Rio de Janeiro Naval, Brazil	FX	10.0	Brazilian Navy
24,024.0	....	....	R. Nederland feeder via Rambouillet, France to MDG			
24,026.0	425/50R	BBC27	Shanghai, PRC	FX	15.0	Tfc/Rangoon
24,032.1	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	....	USN
24,040.0	USB	....	Hilversum (Kootwijk), Netherlands	FX	....	R. Netherlands Feeder
24,052.5	425/75R	BXT43	unknown	FX	....
24,070.0	170/50R	FSB64	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
24,070.0	CW	CSJ28	Lisbon, Portugal	FX	1.0	INTERPOL
24,075.0	170/75Rc	UDL	Vladivostok, USSR	FX	10.0	Tfc/Moscow
24,088.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes:

kHz	Mode	Call	Location	Service	kW	Remarks
25,017.0	425/50R	CLN690	Havana (Bauta), Cuba	FX	10.0	Tfc/Moscow
25,027.7	850/50N	ZRH	Cape (Fisantekraal) Naval, RSA	FX	....	RSA Navy
25,050.0	850/...e	GYA	London (Whitehall) Naval, England	FX	5.0	British Navy
25,052.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
25,054.0	USB	CXQ342	Montevideo, Uruguay (Tfc to Washington; Albrook AFS; Lima; Rio de Janeiro & Caracas) [Alt: 25,350.0]	FX	5.0	Governmental
25,063.0	piccolo	....	unknown	FX	....
25,064.9	CW	OFJ25	Helsinki Radio, Finland	FC	5.0	
25,065.0	CW	JFA	Chuo Gyogyo Radio, Japan	FC	3.0	HX
25,069.0	CW	Y5M	Reugen Radio, GDR	FC	15.0	
25,070.0 - 25,600.0 kHz — FIXED SERVICE & MARITIME MOBILE (Worldwide)						
25,104.0	CW	UKC	Novosibirsk, USSR	FX	....
25,106.0	CW	....	unknown, probably in Cuba	FC	....	SS/Tfc
25,107.0	CW	....	unknown—possibly USSR ship	..	....	Long RR text
25,110.0 - 25,600.0 kHz — FIXED SERVICE (Worldwide)						
25,126.9	170/50Nc	UJY	Kaliningrad Radio, USSR	FC	....
25,130.0	*F1B	ROT	Moscow Naval, USSR	FC	25.0	Russian Navy
25,130.8	CW	LPD91/34	Buenos Aires (General Pacheco), Argentina	FC	....	FC
25,132.9	170/50Nc	URB2	Klaipeda Radio, Lithuanian SSR	FC	....	Appears to have an occasional TASS newscast
25,134.2	CW	IDR7	Rome Naval, Italy	FC	....	Italian Navy
25,135.0	CW	OST8	Oostende Radio, Belgium	FC	10.0	
25,135.0	CW	AME3	Madrid Radionaval, Spain	FC	....	Spanish Navy
25,143.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
25,160.0	CW	LSA5	Boca Radio, Argentina	FC	3.0	
25,175.0	CW	ROT	Moscow Naval, USSR	FC	25.0	Russian Navy
25,196.0	CW	DAM	Norddeich Radio, GFR	FC	5.0	
25,197.0	CW	LSA8	Boca Radio, Argentina	FC	2.5	
25,200.0	USB	PCW35	The Hague, Netherlands	FX	....	clg PAA38
25,210.0 - 25,550.0 kHz — FIXED SERVICE (Worldwide)						
25,210.0	850/...e	FUB	Paris (Houilles) Naval, France	FX	20.0	French Navy
25,234.0	1000/50N	....	unknown	FX	....	Korean Nx
25,247.5	piccolo	....	unknown	FX	....
25,251.0	piccolo	....	unknown	FX	....
25,260.0	USB	9JA28	Lusaka, Zambia	FX	30/0	Telcom/London
25,262.0	CW	OXZ95	Lyngby Radio, Denmark	FC	10.0	
25,277.0	CW	ZSC41	Cape Town Radio, RSA	FC	10.0	
25,308.0	170/50*	MKG	London (Stanbridge), England	FX	30.0	DCN
25,308.0	CW	Y5M	Reugen Radio, GDR	FC	15.0	
25,308.0	CW	LFR	Rogaland Radio, Norway	FC	5.0	
25,315.0	850/50N	CTW95	Monsanto Naval, Portugal	FX	8.0	[RPFN] Port. Navy
25,318.0	CW	IDQ15	Rome Naval, Italy	FC	1.0	Italy Navy
25,350.0	LSB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
25,350.0	USB	CXQ342	Montevideo, Uruguay (Tfc to Washington; Albrook AFS; Lima; Rio de Janeiro & Caracas) [Alt: 25,054.0]	FX	5.0	Governmental
25,377.0	425/50R	IRX23	Rome (Torre Nova), Italy	FX	10.0	ANSA Nx EE 0800-0900 FF 0900-1000 EE 1100-1200 1500-1600 FF 1600-1700 (No newscasts on Sundays) [Beamed to South Africa]
25,380.0	170/75N	NMA	COMMSTA Miami, FL	FX	....	USCG
25,380.0	CW	....	numerous, USA nationwide	FA/FC/FX	..	USCG/Command Net Calling Frequency for all "Fixed" USCG Coastal Stations [Also used by ships & aircraft]
25,382.5	CW	LFZ	Rogaland Radio, Norway	FC	5.0	
25,401.0	CW	SVB8	Athens Radio, Greece	FC	5.0	
25,415.5	CW	SAB25	Goteborg Radio, Sweden	FC	5.0	
25,423.0	CW	UFN	Novorossiysk Radio, USSR	FC	....
25,440.5	USB	OXZ	Lyngby Radio, Denmark	FC	10.0	CH#2501

kHz	Mode	Call	Location	Service	kW	Remarks
25,443.6	USB	OXZ	Lyngby Radio, Denmark	FC	10.0	CH#2502
25,450.0	850/50R	ZRH52	Cape (Fisantekraal) Naval, RSA	FC	10.0	[RSVI] RSA Navy
25,461.0	CW	SAG25	Goteborg Radio, Sweden	FC	5.0	AMVER
25,470.0	USB	GLJ45	London (Ongar), England	FX	10.0	Telcom/Nairobi
25,493.0	LSB	GAR45	London (Rugby), England	FX	30.0	Telcom
25,495.5	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	....
25,516.0	850/75R	NBA	NAVCOMMSTA Balboa, Panama	FX	3.0	USN
25,523.0	850/75R	....	unknown	FX	....	USN
25,535.0	CW	SVD8	Athens Radio, Greece	FC	5.0	
25,550.0 - 25,670.0 kHz — RADIO ASTRONOMY (Worldwide)						
25,578.0	LSB	▲FA	Andrews AFB, MD	FX	....	USAF
25,589.5	CW	NRK	Keflavik Naval, Iceland	FC	10.0	USN
25,590.0	CW	NAR	Key West Naval, FL	FC	5.0	USN/NUKO
			(NOAA reports wx broadcasts at 0030, 0630, 1230 & 1900)			
25,590.0c	CW	NAR	unknown	...	....
25,670.0 - 26,100.0 kHz — INTERNATIONAL BROADCASTING (Worldwide)						
25,705.0	425/75N	....	Porol la Union, Philippines	FX	35.0	USIA Nx EE/FF 0800-1400
25,800.0	F7B	RCV23	Moscow, USSR	FX	20.0	Tfc/Tokyo
26,000.0	425/75N	....	Porol la Union, Philippines	FX	35.0	USIA Nx EE/FF 0000-0215e ("East Asia/Pacific File")
26,100.0 - 26,175.0 kHz — MARITIME MOBILE (Worldwide)						
26,100.0	170/50R	Y7A91	Berlin (Nauen), GDR	FX	20.0	ADN Nx
26,108.0	CW	DAN	Norddeich Radio, GFR	FC	15.0	
26,120.0	425/50R	CLN700	Havana (Bauta), Cuba	FX	30.0	PL
26,141.0	850/50R	ZRH88	Cape (Fisantekraal) Naval, RSA	FX	10.0	RSA Navy
26,141.3	USB	LFN47	Rogaland Radio, Norway	FC	10.0	
26,144.7	USB	....	Goteborg Radio, Sweden	FC	10.0	
26,147.5	USB	LFN48	Rogaland Radio, Norway	FC	....
26,158.5	J7B/3A9J	Z2H27	Harare, Zimbabwe	FX	0.5	British EMBASSY
26,175.0 - 27,500.0 kHz — FIXED SERVICE & MOBILE (Except Aero)						
26,227.5	*170/ARQ	DAF	Norddeich Radio, GFR	FC	15.0	
26,280.0	425/75N	4UNF	Addis Ababa, Ethiopia	FX	10.0	UN
26,280.0	425/75N	4UT	Bangkok, Thailand	FX	1.0	UN
26,440.0	B8E	†....	Daventry, England	FX	30.0	BBC Feeder
26,450.0	425/50R	ETQ37	Addis Ababa, Ethiopia	FX	1.0	GDR EMBASSY
26,450.0	425/50N	Y7A92	Berlin (Nauen), GDR	FX	20.0	EMBASSY
26,450.0	*425/50R	Y7D35	Conakry, Guinea	FX	....	GDR EMBASSY
26,455.0	CW	Y5M	Ruegen Radio, GDR	FC	15.0	
26,490.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
26,660.0	USB	SAM	Stockholm, Sweden	FX	1.0	MFA (This frequency is also available to SAM58, Jakarta, Indonesia; SAM70, Addis Ababa, Ethiopia; SAM73, Lagos, Nigeria; SAM80, Gaborone, Botswana; SAM81, Bissau, Guinea-Bissau; SAM82, Maputo, Mozambique & SAM83, Santiago, Chile)
26,680.0	B8E	....	Daventry, England	FX	30.0	BBC Feeder
26,680.0	B8E	†....	Holzkirchen, GFR	FX	10.0	RFE Feeder
26,700.0	USB	VUN51	Sydney (Doonside) NSW, Australia	FX	15.0	Telcom/Poona
26,800.0	425/50N	Y7A93	Berlin (Nauen), GDR	FX	20.0	MFA
26,820.0	B8E	FJY2	Port aux Francais, Kerguelen Is.	FX	....
26,865.0	B8E	....	Frequency available for underground propaganda			
26,882.2	850/100R	L0L	Buenos Aires Naval, Argentina	FX	....	Argentinian Navy
26,900.0	850/50N	MUL	Belize City, Belize	FX	....	British Army
27,017.0	CW	OST82	Oostende Radio, Belgium	FC	15.0	
27,027.0	425/50R	IRZ27	Rome (Torrenova), Italy	FX	10.0	ANSA Nx EE 0800-0900 FF 0900-1000 EE 1100-1200 1500-2600 1900-2000 (No newscasts on Sundays) [Beamed to Southeast Africa]
27,101.0	850/50Re	GYU	Gibraltar Naval, Gibraltar	FX	10.0	British Navy

kHz	Mode	Call	Location	Service	kW	Remarks
27,115.0	F7B	UWIT	Odessa, Ukrainian SSR	FX	60.0	
27,250.0	425/75N	4UZ	Geneva, Switzerland	FX	20.0	UN
27,400.0	425/50N	Y7A94	Berlin (Nauen), GDR	FX	20.0	MFA
27,998.0	B8E	SAR88	Stockholm, Sweden	FX	1.0	ICRC
27,998.0	B8E	HBC88	Geneva, Switzerland	FX	1.0	ICRC

RTTY MILITARY IDENTIFIERS

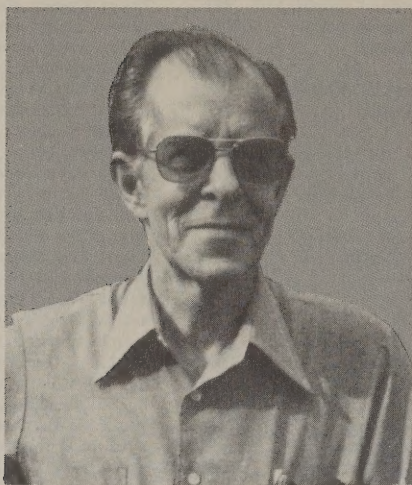
CL3LR	Halifax Naval, NS, Canada-C. Forces	RFGWCR	MFA Paris, France--Crypto Service
PCF	unknown-NATO	RFHIA	Tortouta Air
P12A	Monsanto Naval, Portugal-Port. Navy	RFHIB	REGINFMA/BATSERV/BUROSERNAT, Noumea
RBDOTYR	COMMCEN, Hong Kong	RFHIG	BUROSERNAT Cayenne
RBDTPQ	Ministry of Defense, London	RFFHIS	Noumea Naval, New Caldenoia-Fr. Navy
RBMVAB	Apdo Kowloon, Hong Kong	RFHRF	REGINFMA, Papeete
RBMVAE	BRIGURCAMP, Kathmandu	RFHWC	Papeete Air, Tahiti-French AF
RBQP	Now DCN Akrotiri--was RAF Akrotiri	RFHWU	BUROSERNAT Papeete
RBSL	Bombay Naval, India-Indian Navy	RFLIA	REGINFMA or REGSMA, Fort de France, Martinique-Fr. Military
RETJ	Madrid Radionaval, Spain-Sp. Navy	RFLID	"Air Guadeloupe", Pointe Pitre/BATSERV/REGSMA
RETN	JELBERSATLAN	RFLIFF	Fort de France Naval, Martinique
RETNBA	NCSO Vigo	RFLIG	REGMA, Cayenne, French Guiana-Fr. Navy
RETS	JECONTRAMAR	RFTJ	Dakar Naval, Senegal-French Navy
RFBBR	REGARTIMA, Vernon	RFTJR	BATINFMA, Cap Vert
RFFAB	Regine Naval Air, France-Fr. Navy	RFUA	Fort de France Naval Martinique-French Navy
RFFAK	Air Vicennes	RFVP	REGINFMA/BATSERV, St. Denis, Reunion
RFFBBHV	REGARTIMA, Monthlbery	RFVPA	BUROSERNAT Reunion
RFFBBQ	BUROSERNAT, Versailles	RFVPAX	REGPARAMA, Pirrefonds
RFFCAI	Guerre DIRSERNAT Compiagne, France	RFVFN	Le Port Naval, Reunion-French Navy
RFFCAS	REGARTIMA, La Fere	RHWISGG	FLENUMOCEANCEN, Monterey, CA
RFFCC	Lille Air, France-French AF	RIFADE	Vercelli, Italy-Italian Army
RFFCCO	Groupcamp, Sissonn	RIFALF	Pescara, Italy-Italian Army
RFFDBF	REGINFMA, Auvoir	RIFAQ	Milan, Italy-Italian Army
RFFDC	Rennes Air, France-French AF	RIFAU	Parma, Italy-Italian Army
RFFDCHD	REGSORT, Dinan	RIFEI	Rome, Italy-Italian Army
RFFDCL	REGARTIMA, La Lande D'ovee	RJLIB	NCSO, Buenos Aires
RFFDCT	REGINFMA, Vannes	RJLID	NCSO, Mar del Plata
RFFDG	BUROSERNAT Paris, France	RNFLN	Goeree Naval, Netherlands-Dutch Navy
RFFDHU	REGINFMA, Frejus	ROTfJ	unknown
RFFEER	REGPARAMA, Bayonne	RPFN	Monsanto Naval, Portugal-Port. Navy
RFFEBW	REGARAMA, Mont de Marsan	RPFNCF	Monsanto Naval, Portugal-Port. Navy
RFFFFV	Lyt Air, France	RPFNG	Monsanto Naval, Portugal-Port. Navy
RFFGBC	Strausbourg, France	RPTA	Funchal Naval Maderia Islands-Port. Navy
RFFGC	Metz Air, France-French AF	RPTIHB	Horta Radionaval, Azores-Port. Navy
RFFHAV	REGINHAV, Perpignan	RPTI	Ponta Delgada Naval, Azores-Port. Navy
RFFHAW	REGPARAMA, Carcassonne	RRFEC	Bordeaux Air, France-French AF
RFFHHS	Marseille Air, France-French AF	RSVAED	Port Elizabeth Naval, RSA-RSA Navy
RFFIC	unknown	RSVI	Cape(Fisantekraal) Naval, RSA-RSA Navy
RFFIK	unknown	RSVIC	Cape(Fisantekraal) Naval, RSA-RSA Navy
RFFJC	Cherbourg Naval Air, France	RUEHAU	US Embassy Vienna
RFFKA	unknown	RUEHBT	US Embassy Bangkok
RFFNC	Marine Lorient, France-Fr. Navy	RUEHFO	USIA, Washington
RFFOC	Rochefort Air, France-French AF	RUEHKO	US Embassy Tokyo
RFFTH	Aix les Milles Air, France-Fr. AF	RUEHMY	US Embassy Moscow
RFFVA	Paris Air, France-French AF	RUES	unknown-USAF
RFFVD	Villacoubly Air, France	RULYALA	USS Saratoga
RFFVF	Villacoubly Air, France-French AF	RULYLKA	TMS Oqbah
RFFVH	Aix-les Milles Air	RULYSSS	USS Conolly
RFFWAV	REGINFMA, Artouleme	RULYVJA	USS Kitty Hawk
RFFWEL	BATSOUTPARA, Albi	RUMJGM	US Embassy Colombo
RFFWEQ	Groupcamp, Cayenne	RUWGSAA	Hmas, Sydney
RFFXBP	REGINFMA, Granville	RXFI	Oeiras Naval, Portugal-Port. Navy
RFGAAF	REGARTIMA, Treves	RXPIC	Oeiras Naval, Portugal-Port. Navy
RFGW	Routing Indicator for MINAFETRAN, Paris (MFA)		

ABBREVIATIONS

AA	Arabian Language	CEP	Central Eastern Pacific AMS
AA	Anatolia News Agency (press, Turkey)	CH	Channel
AAP	Australian Associated Press	CIRM	Centro Internazionale Radio Medico Rome, Italy
AAP	Associated Press of Pakistan	cig	Calling
AB	Air Base	CNA	Central News Agency (press, Republic of China)
ACT	Australian Capitol Territory	CO	Colorado, USA
ADN	Allgemeiner Deutscher Nachrichten- dienst (press, GDR)	con.	continued
AF	Air Force	cont.	continuous
AFB	Air Force Base	CRS	Compaignes Republicaines de Securite (France)
AFI.	African Intercontinental AMS	CT	Connecticut, USA
AFP	Agence France Presse (press, France)	CTK	Ceskoslovenska Tiskova Kancelar (press, Czechoslovakia)
AFRTS	Armed Forces Radio-Television Service	CW	Continuous Wave (Morse Code)
AFS	Air Force Station	CWP	Central Western Pacific AMS
AGERPRES	Agentia Romana de Presa (press, Rumania)	DC	District of Columbia, USA
AIM	Mozambique News Agency (press, Mozambique)	DEA	US Drug Enforcement Agency
AK	Alaska, USA	DF	District Federal (Mexico)
aka	also known as	DIPLD	French Ministry of Foreign Affairs
AL	Alabama, USA	DOE	US Department of Energy
Alta.	Alberta, Canada	DP	Deutsche Post
AMS	Aeronautical Mobile Service	DPA	Deutsche Press Agentur (press, Federal Republic of Germany)
AMVER	Automated Mutual-assistance VESSEL Rescue System	DW	Deutsche Welle, (GFR)
ANA	Aden News Agency (press, Democratic Yemen)	DYN	Diarios y Noticias Argentina (press)
ANARE	Australian National Antarctic Research Expedition	EE	English Language
ANGOP	Agencia Angola Press (press, Angola)	EUR	European AMS
ANN	New Nicaragua News Agency	FA	Aeronautical Ground Station
ANSA	Agenzia Nazionale Stampa Association (Italian News Agency)	FAA	Federal Aviation Administration
ANTARA	Antara News Agency (press, Indonesia)	FAX	Facsimile
AP	Associated Press	FC	Fixed Coast Station
APN	Agentstwo Petschato Novosti (press, USSR)	FCC	Federal Communications Commission
APS	Algerian Press Service (press, Algeria)	FE	Far East
ARINC	Aeronautical Radio, Inc.	FEC	Forward Error Correction
AS	Air Station	FEMA	Federal Emergency Management Administration
ATA	Albanian Telegraph Agency (press, Albania)	FF	French Language
ATE	Athens News Agency	FL	Florida, USA
AX	Aeronautical Fixed Station	FS	Safety of Life Coast Station
AZ	Arizona, USA	FSK	Frequency Shift Keying
AZAP	Zaire Press Agency (press Zaire)	FX	Fixed Land Station
A3H	LSB or USB with 6 dB Suppressed Carrier	GA	Georgia, USA
BAKHITAR	Afghanistan Ministry of Information	CAF	German (West) Air Force
BBC	British Broadcasting Corp.	GDR	German Democratic Republic
BC	British Columbia, Canada	GFR	German Federal Republic
BC	Broadcast Station	GG	German Language
BSS	Bangladesh News Agency (press, Bangladesh)	GNA	Ghana News Agency
BTA	Bulgarian Telegraph Agency (press, Bulgaria)	GNA	Gulf News Agency (press pool, Arabian Gulf States)
CA	California, USA	HI	Hawaii, USA
CA	Central America	HQ	Headquarters
CAP	Civil Air Patrol	ICAO	International Civil Aviation Organization
CAR	Caribbean AMS	IFRB	International Frequency Registration Board
CC	Chinese language	IINA	International Islamic Republic News Agency (press, Saudi Arabia)
		IL	Illinois, USA
		IN	Indiana, USA
		INA	Iraqi News Agency (press, Iraq)
		INFOIND	Information Service of India (press)
		IRNA	Islamic Republic News Agency (press, Iran)
		ISB	Independent Sideband
		INMARSAT	International Maritime Satellite Organization

ITU	International Telecommunication Union	PP	Portugese language
JANA	Jamahiriyyah Arab News Agency (press, Libya)	PQ	Province of Quebec, Canada
Jiji	The Jiji Press (press, Japan)	PR	Puerto Rico
JNA	Jordan News Agency (press, Jordan)	PRC	People's Republic of China
JSDA	Japanese Self-Defense Agency	PTI	Press Trust of India (press India)
KCNA	Korean Central News Agency	Qld.	Queensland, Australia
KS	Kansas, USA	RA	Royal Australia
KUNA	Kuwait News Agency (press, Kuwait)	RAAF	Royal Australia AF
KYODO	Kyodo Tsushin News Service (press, Japan)	RAF	Royal Air Force
LA	Louisiana, USA	RC	Non-directional Beacon
LPS	London Press Service (British Foreign Office)	RCAF	Royal Canadian AF
LSB	Lower Sideband	REUTERS	Reuters, Ltd.
MA	Massachusetts, USA	RFE	Radio Free Europe
MA	Aircraft Station	RI	Rhode Island, USA
Man.	Manitoba, Canada	RL	Radio Liberty
MAP	Mutual Arab Press (press, Morocco)	RNZ	Royal New Zealand
MARS	Military Affiliated Radio System	RNZAF	Royal New Zealand AF
MD	Maryland, USA	RR	Russian Language
ME	Maine, USA	RSA	Republic of South Africa
MENA	Middle East News Agency (press Egypt)	RTTY	Radiotelegraphy Printing
MI	Michigan, USA	SA	South Australia, Australia
MID	Middle East AMS	SAAM	Soviet Antarctic Meteo
MN	Minnesota, USA	SAC	Strategic Air Command
MO	Missouri, USA	SAM	South American AMS
MONTSAME	Mongolian Telegraph Agency (press, Mongolia)	SAMTO	Space & Missile Test Organization
MS	Mississippi, USA	SANA	Syrian Arab News Agency (press Syria)
MS	Ship Station (Merchant Vessel)	SAPORITI	Agencia Noticiosa Saporiti (press, Argentina)
MT	Montana, USA	Sask.	Saskatchewan, Canada
MTI	Magyat Tavrata Iroda (press Hungary)	SC	South Carolina, USA
Mx	Music/Musical	SD	South Dakota, USA
NA	Noticias Argentinas (press Argentina)	SEA	Southeastern Asia AMS
NAS	Naval Air Station	SP	Southern Pacific AMS
NASA	National Aeronautical & Sapce Admin.	SPA	Saudi Press Agency (press Saudi Arabia)
NAT	North Atlantic AMS	SS	Spanish Language
NATO	North Atlantic Treaty Organization	SUNA	Sudan National News Agency (press Sudan)
NAWS	Notice to all Allied Warships	TASS	Telegrafnoye Agentstvo Sovetskogo Soyuza (press)
NB	New Brunswick, Canada	Tfc.	Traffic
NC	North Carolina, USA	TOR	Telex On Radio (Coded RTTY)
ND	North Dakota, USA	TX	Texas, USA
NE	Nebraska, USA	UN	United Nations
Nfld.	Newfoundland, Canada	UNO	UN Organization
NJ	New Jersey, USA	UPI	United Press International
NM	New Mexico, USA	USACE	US Army Corps of Engineers
NOAA	National Oceanic & Atmospheric Admin.	USAF	US Air Force
NORAD	North America Air Defense Command	USB	Upper Sideband
NP	Northern Pacific AMS	USCG	US Coast Guard (or CG)
NS	Nova Scotia, Canada	USIA	United States Information Service (press)
NSW	New South Whales, Australia	USMAAG	US Military Assistance Advisory Group
NT	Northern Territories, Australia	USN	US Navy
NV	Nevada, USA	USSR	Union of Soviet Socialist Republics
NWT	Northwest Territories, Canada	UT	Utah, USA
NTM	Notice to Mariners	VA	Virginia, USA
NUKO	To All Ships Copying MERCAST	Vic.	Victoria, Australia
Nx	News	VIP	Very Important Person
NY	New York, USA	VNA	Vietnam News Agency (press, Vietnam)
OH	Ohio, USA	VOA	Voice of America
OK	Oklahoma, USA	VV	Vietnamese Language
OM	Man ("Old Man")	WA	Western Australia, Australia
Ont.	Ontario, Canada	WA	Washington, USA
OR	Oregon, USA	W.H.O.	World Health Organization
PA	Pennsylvania, USA	WI	Wisconsin, USA
PAP	Polish News Agency	WV	West Virginia, USA
PL	Prensa Latina (press Cuba)	Wx	Weather
		WY	Wyoming, USA
		XNA	New China News Agency (aka XINHUA) (press, People's Republic of China)
		YL	YL ("Young Lady")
		YONAP	Yonhap News Agency (press, South Korea)
		ZANA	Zambia News Agency

ABOUT THE AUTHOR



OLIVER PERRY FERRELL

Oliver P. (Perry) Ferrell was born in Atlantic City, New Jersey, in 1920. A life-long passion began in the early '30's when, as a gift, his father bought him a crystal radio set. After graduating from high school, he began his career in radio at RCA in Camden, N.J. -- first in electrical maintenance, then as an aide in the electrical engineering section and, finally doing research on radio altimeter equipment.

Drafted into the second World War in 1942, Perry became a radio propagation consultant to the American military forces. He was often smuggled across enemy lines to do preliminary planning for the communication system which would be required during the construction of the Burma Road. Working closely with airport personnel, he set up radar installations in Burma, India and China. He came home in 1945 decorated with a Bronze Star for his dedication and bravery.

In 1946, Perry had noted meteoric ionization by radar detection. This led to further investigations and in 1951 he was awarded a grant by the U.S. Air Force to lead a project RASO (Radio Amateur Scientific Observations). Enlisting the aid of hundreds of radio amateurs, he studied and published work on the movement of Sporadic-E clouds in the upper atmosphere -- a phenomenon that helped explain the peculiar transmissions of radio waves.

Combining writing with his radio expertise, Perry became a Contributing Editor to CQ Magazine. This led to an Assistant Editor, and in 1951, Editor. He realized many changes in the magazine. Understanding the importance of radioteletype to the hobby, he was the first to include an RTTY column in an amateur radio magazine. He founded the well-known "Popular Electronics" in 1955 and also established the format and initial issues of "Hi-Fi Review" (later to be known as "Hi-Fi and Stereo Review").

In the early 1970's, Perry left editing and joined his wife, Jeanne, at GILFER which she had started in 1953. Soon GILFER became known as a source of quality modified communications receivers and also a publisher of shortwave books. Among the books that Mr. Ferrell compiled and edited were two editions of the "Guide To RTTY Frequencies" and several editions of "The Confidential Frequency List."

Over his career of 49 years, his byline appeared in over 400 stories and articles. He was an authority on radio propagation, the technical aspects of communication equipment and the hobby of DXing. His memberships included the National Industry Advisory Committee of the Federal Communications Commission, the American Society of Magazine Editors and a Fellow of The Radio Club of America.

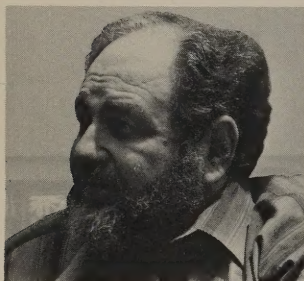
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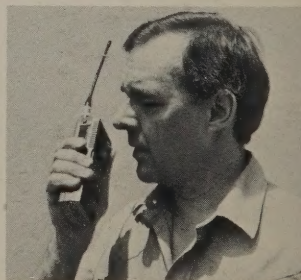
ADDITIONAL TEXT by ROBERT FRENCH, TOM KNEITEL and WEBB LINZMAYER.

Robert French has been DXing the HF band since 1962 specializing in the Utility Stations since 1964. In 1969 he became Utility Editor for the Newark News Radio Club, and held that post till the club was disbanded in 1982. He is now Utility Editor for the Association of DX Reporters.



Tom Kneitel has been an active "ute" DX'er since the late 1940's, and has authored numerous books and magazine features. He is the Editor of "Popular Communications" magazine, a nationally distributed monthly publication devoted to shortwave monitoring.

Webb Linzmayer graduated from NYU with a degree in Physics. He has an Advanced Class amateur license and specializes in computer processing and analysis of RTTY signals. His company Electrovalue Industrial of Morris Plains, NJ specializes in the sale of electronic surplus items to the computer hobbyist.



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